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EXTRACELLULAR FLUID ASTROGLIAL MARKERS OF BRAIN INJURY AFTER SUBARACHNOID HAEMORRHAGE

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This work is dedicated to the loving memories of my grandmother, Eleni Georgopoulou, and my grandfather, Angelos G. Kolias.

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ABBREVIATIONS

ABI	ACUTE BRAIN INJURY
CBF	CEREBRAL BLOOD FLOW
CNS	CENTRAL NERVOUS SYSTEM
CPP	CEREBRAL PERFUSION PRESSURE
CSF	CEREBROSPINAL FLUID
CT	COMPUTED TOMOGRAPHY
DIND	DELAYED ISCHAEMIC NEUROLOGICAL DEFICIT
ECF	EXTRACELLULAR FLUID
ELISA	ENZYME-LINKED IMMUNOSORBANT ASSAY
EVD	EXTERNAL VENTRICULAR DRAIN
GCS	GLASGOW COMA SCORE
GFAP	GLIAL FIBRILLARY ACIDIC PROTEIN
GOS	GLASGOW OUTCOME SCALE
ICH	INTRACEREBRAL HAEMORRHAGE
ICP	INTRACRANIAL PRESSURE
ION	INSTITUTE OF NEUROLOGY
IVH	INTRAVENTRICULAR HAEMORRHAGE
MD	MICRODIALYSIS
NICU	NEUROINTENSIVE CARE UNIT
RLS85	REACTION LEVEL SCALE
SAH	SUBARACHNOID HAEMORRHAGE
ST	SYSTEMIC TEMPERATURE
TBI	TRAUMATIC BRAIN INJURY

TCD TRANSCRANIAL DOPPLER

ABSTRACT

Inroduction: Despite the great strides that have been made during the modern era of cerebrovascular surgery, subarachnoid haemorrhage (SAH) remains a devastating illness. Approximately 12% of patients die before receiving medical attention, 40% of hospitalized patients die within one month after the event, and more than one third of those who survive have major neurological deficits and will be dependent on others for activities of daily living.

The prognosis of patients surviving the initial ictus and reaching hospital care is mainly aggravated by a number of secondary insults (cerebral vasospasm, intracranial hypertension, rebleeding, seizures, hydrocephalus, ischaemia, hypoxia) which commonly complicate their in-hospital clinical course. Earlier detection of these insults would enable us to treat them in a more timely and aggressive manner; biochemical markers could certainly contribute to this goal.

Our hypothesis is that certain substances released into brain extracellular fluid (ECF) during the primary and secondary insults could correlate with or even precede clinical manifestations of secondary insults, and act as predictors of short and long-term outcome. We chose to focus on two astroglial proteins, namely S100B and glial fibrillary acidic protein (GFAP), as the astrocytes play a critical role in the regulation of brain homeostasis at the cellular level, and they are immediately activated after the initial ictus. Moreover, both proteins have shown some promising results when measured in serum, cerebrospinal fluid (CSF), and ECF.

Objectives: 1. To quantify S100B levels in brain extracellular fluid (ECF) obtained by cerebral microdialysis (MD) from patients with subarachnoid haemorrhage (SAH).

2. To examine whether GFAP is recoverable from brain ECF of patients with SAH.

3. To evaluate whether ECF S100B and GFAP can be used as markers of adverse insults such as intracranial hypetension, cerebral vasospasm, and hypoperfusion by means of investigating possible correlations between the above proteins and monitored parameters after SAH such as intracranial pressure (ICP), Transcranial Doppler (TCD) velocities and cerebral perfusion pressure (CPP), respectively.

4. To evaluate whether S100B and GFAP can act as predictors of the outcome after SAH.

Design: A longitudinal study carried out in two phases.

Setting: Neurointensive Care Unit (NICU), University Hospital in Linköping, Sweden and Department of Neuroimmunology, Institute of Neurology (IoN), Queen Square, London.

Participants: 35 patients admitted due to SAH.

Interventions: Insertion of MD catheters into brain parenchyma. The catheters were implanted when deemed necessary for neuromonitoring purposes and were

removed when MD was not further needed, patient discharged from the NICU or patient died.

Measurements: Quantification of ECF S100B and GFAP, using sandwich enzyme-linked immunosorbant assays (IoN, London). Measurement of ICP, CPP, ST, and TCD recording; assessment of Fisher grade of SAH on initial Computed Tomography (CT), Glasgow Coma Score (GCS), Reaction Level Scale (RLS85), and Glasgow Outcome Scale (GOS) at 6 months (University Hospital in Linköping, Sweden).

Main results: Both S100B and GFAP were successfully recovered from brain ECF samples collected with 100 kDa cut-off MD catheters from patients with SAH. Median ECF S100B was 2.02 ng/ml (Q1-Q3: 1.01-3.85 ng/ml), while median ECF GFAP was 138.81 ng/ml (Q1-Q3: 30.13-319.42 ng/ml). When ICP rose above 25 mm Hg, S100B was found to be approximately two times higher, compared to S100B with an ICP below 25 mm Hg. GFAP was found to strongly correlate with the Fisher grade of SAH on initial CT scan, and TCD flow velocities. Patients with a poor outcome were found to have 2.5 times higher S100B levels (mean and maximum), and 5 times higher GFAP levels (maximum), when compared to patients with a favourable outcome. Mean and maximum S100B inversely correlated with GOS at 6 months.

Conclusions: ECF S100B and ECF GFAP were evaluated as novel biomarkers of secondary brain injury, which is a major cause of morbidity and mortality after SAH. ECF S100B showed some promising results for early detection of

intracranial hypertension, whereas ECF GFAP emerged as a candidate biomarker for the development of cerebral vasospasm. Moreover, both proteins appeared as useful prognostic tools following SAH. These findings add to the already existing evidence for the potential value of serum, CSF, and ECF S100B, as biomarkers after SAH. As to ECF GFAP, to our knowledge, this is the first demonstration of its potential value as a prognostic tool in SAH, and biomarker for cerebral vasospasm. MD clearly has the potential to contribute to the multimodal monitoring of ABI, and specifically SAH, in the NICU setting. Further studies are warranted to evaluate the potential value of the two proteins studied, and MD in general, for clinical decision-making in the NICU. Proteomics and MD, could prove a powerful combination used to this end.

A. INTRODUCTION

A.1. Subarachnoid Haemorrhage

A.1.1. Epidemiology, diagnosis and treatment

Walton (WALTON 1953) was among the first to recognize that subarachnoid haemorrhage (SAH) can be produced by a wide range of pathologic conditions and thus that SAH is not a disease entity. When hemorrhage is derived from a vessel lying in the subarachnoid space and bleeding is primarily into it, in the absence of trauma, a well-defined clinical entity emerges: spontaneous or primary SAH. When only these cases are considered, almost 80% are the result of the rupture of an intracranial aneurysm (Suarez et al. 2006), some are due to arteriovenous malformations, and in many of the remainder no cause can be found (Heros & Zervas 1983).

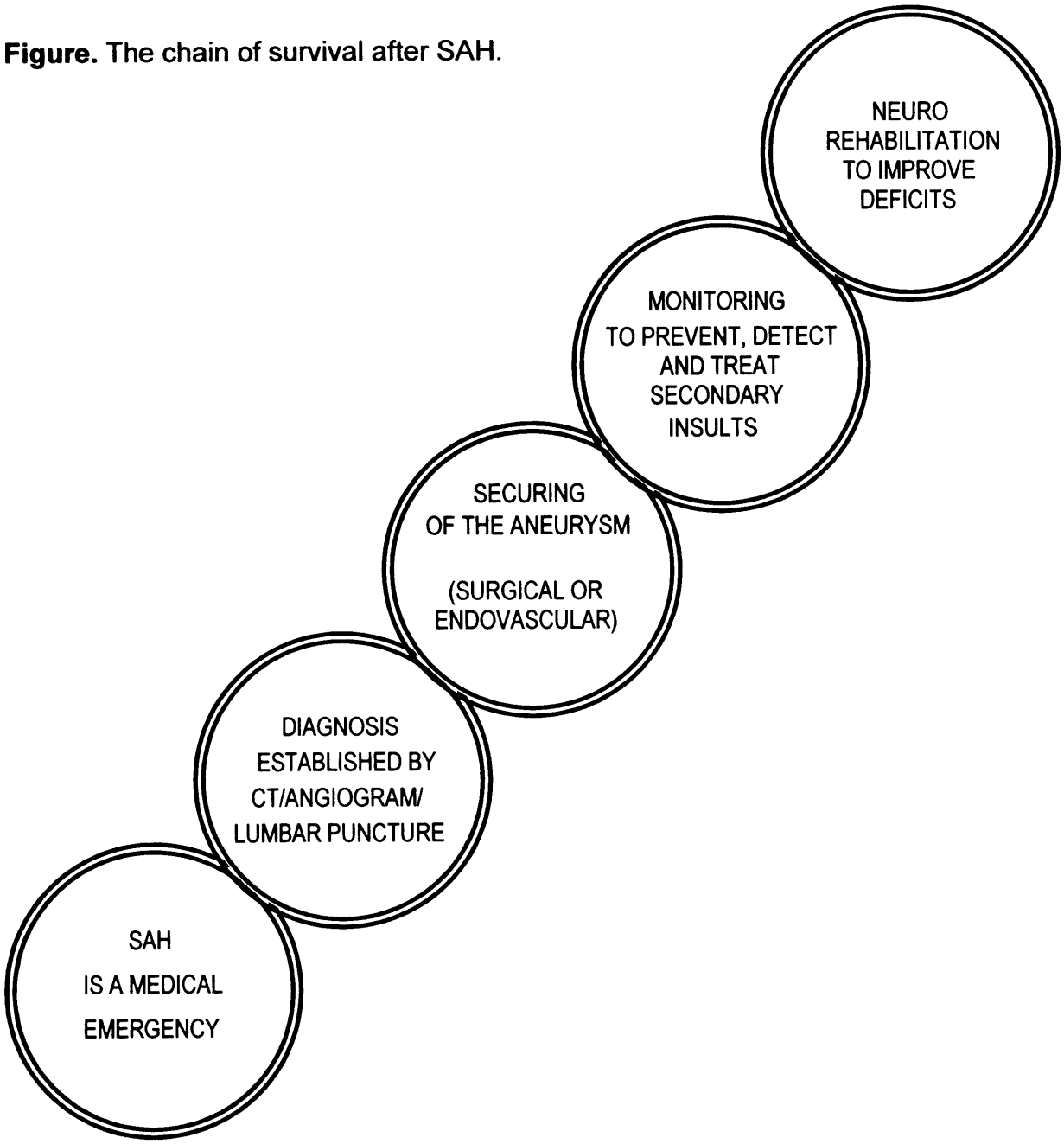
Primary SAH is most commonly caused by rupture of saccular aneurysms (also known as "berry" aneyrysms in contrast to fusiform and dissecting aneurysms that develop due to atherosclerosis) which are abnormal focal outpouchings of cerebral arteries. Intracranial aneurysms are rather common lesions with a prevalence of up to 5% in adults, as shown by autopsy studies (Brisman et al. 2006). Fortunately, most aneurysms are small and an estimated 50 to 80 percent of all aneurysms do not rupture during the course of a person's lifetime. In a recent systematic review of 18 studies worldwide, the overall incidence of SAH in all studies was 10.5 per 100,000 person years (Linn et al. 1996). SAH is more common in women that in men (Brisman et al. 2006); mainly affects those aged

between 40 and 60 years old but can occur from childhood to old age (Wardlaw & White 2000). Although it is not as common as other forms of stroke, it carries a disproportionally high toll in terms of productive life years lost due to the fact that it has an earlier mean age of onset (Clarke et al. 2005). The mean lifetime cost per person for SAH is almost twice as that for the two other major types of stroke, i.e. intracerebral hemorrhage (ICH) and ischemic stroke (ISC) (Taylor et al. 1996).

The clinical hallmark of SAH is a history of unusually severe headache that started suddenly ("the worst headache of the patient's life"). Headache is present in up to 97% of patients and is commonly associated with nausea and vomiting (77%) or neck stiffness (up to 50%). The level of consciousness is usually diminished, with confusion and lethargy in 30%, transient loss of consciousness in one third and coma in 17% (Grieve & Kitchen 2003). Focal signs are seen in 20% of patients and usually include third-nerve palsy (posterior communicating aneurysm), sixth-nerve palsy (increased intracranial pressure), bilateral lower-extremity weakness or abulia (anterior communicating aneurysm), and the combination of hemiparesis and aphasia or visuospatial neglect (middle cerebral-artery aneurysm; (Suarez et al. 2006).

Aneurysmal SAH is a medical, diagnostic and therapeutic emergency because of a high risk of morbidity/mortality due to early rebleeding. Once the diagnosis has been established by CT scan/cerebral angiogram/lumbar puncture fast and successful securing (clipping/coiling) of the aneurysm is considered the key to avoid rebleeding (Pluta 2005) (see figure, next page). Whereas in the past the major cause of morbidity and mortality in patients who survived the initial

Figure. The chain of survival after SAH.



The chain of interventions, which are crucial in order to maximise the chances of survival and improve quality of life, once SAH has been sustained. The term 'chain' is used in order to demonstrate that all five rings (interventions) are interconnected and equally important.

haemorrhage was rebleeding the aforementioned approach during the last 25 years has minimized the importance of this problem.

Even so, approximately 12% of patients die before receiving medical attention due to the initial bleed or its immediate complications, 40% of hospitalized patients die within one month after the event and more than one third of those who survive have major neurological deficits and will be dependent on others for activities of daily living (Schievink 1997), (Wardlaw & White 2000).

A.1.2. Secondary brain injury (insults)

Secondary insults such as cerebral vasospasm, intracranial hypertension, seizures, hydrocephalus, hypoperfusion, ischaemia, hypoxia, and hyperpyrexia are consistently the leading cause of poor outcome and death in patients who have suffered SAH and reached hospital care. In particular, cerebral vasospasm appears to adversely affect more than one in five of all patients who have suffered SAH and survived (Pickard et al. 1989), (Haley et al. 1993), (Lanzino et al. 1999). Vasospasm may lead to further ischaemia and infarction, usually referred to as delayed ischaemic neurological deficit (DIND). Vasospasm has its onset usually on day 3 after subarachnoid haemorrhage, is maximal at days 6 to 8 and usually lasts 2 to 3 weeks (Wilkins 1990) . DIND (sometimes referred to as clinical or symptomatic vasospasm) is characterized by the insidious onset of confusion and decreased level of consciousness followed by focal motor and speech impairments. Intracranial hypertension can lead to a decrease in CPP, subsequent lowering of cerebral blood flow (CBF) and ischaemia (Diringer & Axelrod 2007a)

Secondary insults put further strain to the already injured brain and place the penumbra into risk. The penumbra represents the hypoperfused region surrounding the severely ischaemic core. Neuronal damage and death in the core is irreversible, but the penumbra is an area of potentially salvageable neural tissue. Restriction of damage to the penumbra can lead to a significant reduction in morbidity and mortality (Astrup et al. 1981). It has to be noted, that secondary insults complicate also the clinical course of patients who have sustained Traumatic Brain Injury (TBI), increasing further mortality and morbidity due to it. SAH and TBI are collectively termed Acute Brain Injury (ABI). As both exhibit a similar biphasic pattern (acute insult at the time of the ictus, and delayed deterioration due to secondary insults), which significantly aggravates the prognosis, researchers tend to consider them jointly as ABI, and their management in the NICU is similar to a certain extent.

A.1.3. Multimodal neuromonitoring

It is self-evident that close monitoring of physiological parameters is essential, if secondary insults are to be detected and specific therapeutic measures initiated. This can be achieved in an intensive care setting, i.e NICU, where multiple parameters can be monitored at the same time. ICP monitoring alerts the clinician to ICP rises and consequently allows him to initiate specific therapies in order to maintain an adequate CPP (Springborg et al. 2005a). CBF bedside monitoring is usually achieved with the use of TCD. The latter, despite certain limitations (Saqqur et al. 2007), by means of detecting elevated flow velocities in the major cerebral arteries (mostly the middle cerebral artery – MCA), is helpful for detecting patients who develop vasospasm, and therefore are at risk for DIND. Mean flow

velocities of more than 120 cm/s in the MCA is generally the most accepted threshold value, indicative of vasospasm (Springborg et al. 2005a),(Janardhan et al. 2006). However, from a clinician's point of view, a rapid rise or an upward trend of maximum flow velocities could be more useful in the clinical setting, where signs of incipient vasospasm cannot and should not be overlooked (Belli & Sen 2007). An adequate supply of oxygen is required for cerebral viability; therefore monitoring of cerebral oxygenation can provide useful information to the neurointensivist (De Georgia & Deogaonkar 2005a). Brain tissue oxygen tension, measured by intraparenchymal devices, is as close to gold standard of cerebral oxygenation as we currently have at the bedside. It has the advantage that the microcatheter can be inserted together with monitoring equipment of other parameters (e.g. ICP, MD, brain temperature), and that it can provide a focal measurement of cerebral oxygenation (Rose et al. 2006). Other techniques which can provide an estimate of cerebral oxygenation are transcranial cerebral oximetry (utilising near-infrared spectroscopy (Kirkpatrick et al. 1998), and jugular bulb oximetry (De Georgia & Deogaonkar 2005a).

Combination of data provided by the different techniques described above may supply the clinician with more meaningful clinical information, as each one offers a different perspective on brain physiology and metabolism (De Georgia & Deogaonkar 2005a). This concept, which is termed multimodal neuromonitoring, has been developed as none of the aforementioned techniques, when considered in isolation, has proved sufficient after SAH (Springborg et al. 2005a). Therefore, multimodal neuromonitoring has emerged as a promising method of monitoring patients with SAH and TBI.

Nevertheless, a major critique of conventional monitors (e.g. ICP monitoring, TCD) is that they are 'reactive', in that they indicate physiological changes after they have occurred, and when neuronal damage is probably established and irreversible {Smith, 2004 28 /id}. This simply means that the potential therapeutic window for averting the imminent damage may have already "closed" by the time the monitor indicates that a parameter has changed (e.g. that ICP has risen above the acceptable threshold of 20-25 mm Hg). The challenge for researchers and clinicians is to develop monitoring techniques that provide "predictive" information i.e. information which would warn us early of impending adverse events. A biomarker (or even set of biomarkers) has the potential of fulfilling the goal of "predicting" secondary brain injury. Ideally, it could also be used as a prognostic tool, as the methods currently used to prognosticate outcome have certain limitations (Korfias et al. 2006). The Glasgow Coma Score (Teasdale & Jennett 1974), RLS-85 (an alternative scale for assessing impaired consciousness widely used in Sweden) – (Starmark et al. 1988), World Federation of Neurologic Surgeons grading of SAH (1988), Hunt and Hess classification of SAH (Hunt & Hess 1968), grading system of Fisher (which correlates the amount of blood on initial CT scan with the risk of developing vasospasm) - (Fisher et al. 1980) are such scales. The problem with these methods is that they mainly rely on assessment of the level of consciousness, and clinical findings (apart from the Fisher scale), which depend more upon brain dysfunction as a whole rather than imbalance of brain homeostasis at the cellular level, which is where the destructive cascades of secondary insults take place. The technique of microdialysis (MD), when applied to the brain, has the potential to identify such biomarkers (Hillered et al. 2005a).

Table 1. Glasgow Coma Score

Points*	Best eye opening	Best verbal	Best motor
6	-	-	obeys
5	-	oriented	localises pain
4	spontaneous	confused	withdraws to pain
3	to speech	inappropriate	flexion (decorticate)
2	to pain	incomprehensible	extensor (decerebrate)
1	none	none	none

* range of total points: 3 (worst) to 15 (normal). GSC ≤ 8 is a generally accepted definition of coma.

Table 2. Reaction Level Scale 85 (RLS-85)

Points	Level of consciousness
1	Alert, no delay in response
2	Drowsy or confused; responsive to light stimulation
3	Very drowsy or confused; responsive to strong stimulation
4	Unconscious; localizes but does not ward off pain
5	Unconscious; withdrawing movements on pain stimulation
6	Unconscious; stereotype flexion movements on pain stimulation
7	Unconscious; stereotype extension movements on pain stimulation
8	Unconscious; no response to pain stimulation

Table 3. Grading system of Fisher: correlation between the amount of blood on CT and the risk of vasospasm.

Fisher group	Blood on CT*	No. of pts.	-- VASOSPASM --		
			Angiographic		Clinical vasospasm (DIND)
			Slight	Severe	
1	No subarachnoid blood detected	11	2	2†	0
2	Diffuse or vertical layers‡ < 1 mm thick	7	3	0	0
3	Localised clot and/or vertical layer‡ ≥ 1 mm	24	1	23	23
4	Intracerebral or intraventricular clot with diffuse or no SAH§	5	2	0	0

* measurements made in the greatest longitudinal and transverse dimension on a printed EMI CT scan (no scaling to actual thickness) performed within 5 days of SAH in 47 patients; falx never contributed more than 1 mm thickness to interhemispheric blood

† may actually be 0 since 1 patient was scanned late and 1 developed spasm only peripherally

‡ "vertical layer" refers to blood within "vertical" subarachnoid spaces including interhemispheric fissure, insular cistern, ambient cistern

§ reflux of blood into ventricles frequently indicates obstruction of CSF circulation, and is associated with high incidence of hydrocephalus

A.2. Microdialysis

In medical practice, many diagnostic and therapeutic decisions are based on the measurement of endogenous molecules found in blood. Drawing blood is a simple and acceptable procedure, and has the advantage that the reference ranges are well known. However, in many instances sampling the ECF of tissues could provide more relevant information than blood sampling, as the blood simply reflects the chemical composition of the ECF (Ungerstedt 1991). A technique which enables us to sample ECF is microdialysis. This technique was developed more than 30 years ago for monitoring chemical events in the animal brain, and in the late 1980s sampling of human brain ECF took place (Hillered et al. 1990);(Meyerson et al. 1990). Since then, MD has been used for biochemical monitoring of many human tissues including liver, subcutaneous and myocutaneous tissue, and intraperitoneal cavity (Nordstrom 2004). Nevertheless, the majority of studies utilising MD have been performed in the brain, and in recent years the use of intracerebral MD has moved from preclinical evaluation and validation to clinical application (Hillered et al. 2005a).

This development was catalysed by the escalating availability of sensitive chemical detectors, and increasingly sophisticated semipermeable membranes and probes. More importantly, a complete system for bedside monitoring of brain ECF now exists, which enables the integration of MD in the setting of the NICU (Springborg et al. 2005a). The bedside system consists of a flexible catheter which is implanted in the brain region of interest (e.g. the penumbra in the case of SAH). The tip of the catheter is a thin dialysis tube which is perfused with a

physiological salt solution (perfusate).The semi-permeable membrane of the tube allows free diffusion of water and chemicals between the surrounding interstitial fluid (i.e. ECF) and the perfusate, and in that sense the MD catheter mimics a blood capillary (Ungerstedt 1991). The driving force for the diffusion of molecules across the membrane is their concentration gradients, and the perfusate gradually tends to equilibrate to the composition of the ECF. The molecular weight cut-off of the membrane is related to the pore size of it, which essentially restricts the molecules that can diffuse across the membrane. An inlet tube leads the perfusate from a small battery driven pump into the dialysis tube, while an outlet tube leads it into a microvial. The microvials, which collect minute amounts of fluid, are removed usually every hour and then placed in a bedside MD analyser (Nordstrom 2004). The bedside analyser utilises enzymekinetic assays, thereby making continuous surveillance of changing brain neurochemistry feasible (Sakowitz et al. 2001). Furthermore, collected samples can be stored and analysed later for a substance of interest.

MD nowadays has a very broad range of applications in the field of neuroscience. Indicatively, it has been utilised in epilepsy research (Ronne-Engstrom et al. 1992); (Dailey et al. 1996), in the field of cognitive neuroscience (Davis et al. 1992), brain tumour research (Devineni et al. 1996), and sleep research (Marrosu et al. 1995). However, it is most commonly used in ABI research and its integration in the multimodal neuromonitoring of ABI (i.e. TBI and SAH) is gradually increasing.

The first report of the use of MD for monitoring patients with ABI was published in 1992 (Persson & Hillered 1992), and since then the interest in the use of MD in

ABI research and clinical management has mounted. Bedside MD underwent extensive testing in the Department of Neurosurgery, in Lund during 1995 and 1996 (Nilsson et al. 1996); (Saveland et al. 1996), and has subsequently been introduced in all NICUs in Sweden for monitoring TBI, SAH, ICH, and brain tumour metabolism. Bedside MD allows us to look at markers of cellular disintegration, markers of glucose metabolism, and excitatory neurotransmitters. As MD gives neurochemical information (such as the aforementioned markers) only on a small volume surrounding the catheter tip, it becomes apparent that "correct" catheter placement (i.e. placement of the catheter into brain regions considered to be at increased risk of developing secondary metabolic deterioration) – (Bellander et al. 2004) is of great importance. Therefore, an advantage of MD catheters is that they can be visualised under CT, as the catheter tip bears a thin gold thread (Nordstrom 2004). Provided that the catheter placement is "correct", MD can add a focal dimension to brain monitoring, in that it monitors specific brain regions thought to be at risk. However, MD can also offer a global approach, by means of detecting early warning signals of insults such as cerebral vasospasm, and intracranial hypertension (Hillered et al. 2005a). Of note is the fact that, is a relatively safe technique despite being invasive (Springborg et al. 2005a); (Hillered et al. 2005a); bleeding and infection are potential are possible adverse effects but just one case of a small intracerebral bleed (discovered by chance on CT and resolving without deficits) has been reported (Kett-White et al. 2002). Nevertheless, some tissue reaction following implantation is inevitable; thus MD results obtained up to 1 hour after catheter insertion must be interpreted cautiously (Hillered et al. 1990), (Meyerson et al. 1990).

There are literally hundreds of chemical substances that could be monitored by MD in the human brain. Nevertheless, in ABI, priority is given to substances that have the ability to signal ischaemia, energy metabolism, tissue damage, and substances that may be directly neurotoxic:

1. Markers of glucose metabolism: ECF glucose, lactate and pyruvate levels provide information on glucose delivery and utilisation, and the extent of anaerobic glycolysis. Lactate:pyruvate ratio (LPR) is an established indicator of ischaemia. Lactate:glucose ratio also appears to reflect tissue ischaemia (Tisdall & Smith 2006)
2. Glycerol: the brain does not contain any triglycerides, therefore a high level of ECF glycerol is considered as a reliable marker of degradation of cell membrane phospholipids, and thus cell disintegration (Nordstrom 2004).
3. Excitotoxines: glutamate, and to a lesser extent aspartate, have been studied as markers of excitotoxicity after ABI. Excitotoxicity may be implicated in the secondary brain injury processes, mediated by excessive calcium-influx into brain cells.

There is an inherent problem with MD, in determining reference ranges for the above markers (Hillered et al. 2005a). Therefore, fluctuations of the observed levels of energy-related metabolites, membrane degrading products, and excitotoxines are used in order to signal ischaemia (Springborg et al. 2005a). It is not clear which of the above markers is the most sensitive and specific (Springborg et al. 2005a), however a generally acceptable ischaemic pattern would be that of an increase of LPR, paralleled by a decrease in ECF glucose,

and increases in glycerol and glutamate (Hillered et al. 2005a). LPR appears to be more specific than lactate alone for signalling ischaemia (Enblad et al. 1996). Glutamate levels have been associated with cerebral ischaemia, and a poor outcome after ABI (Kett-White et al. 2002). Nevertheless, the role of glutamate in excitotoxicity after ABI has been challenged (Obrenovitch & Urenjak 1997). Glucose is a complicated variable to study, as it is affected by changes in glucose supply to the brain. Therefore, it is not surprising that LPR is the marker mostly looked at in a clinical setting {Smith, 2004 28 /id}; (Springborg et al. 2005b). It is worth noting here, that with the recent advent of 100 kDa molecular weight cut-off catheters, there now exists the opportunity to study higher molecular weight biomarkers (e.g. proteins); at the same time these new catheters have equivalent recovery to the traditionally used 20 kDa cut-off catheters for the above described markers (Tisdall & Smith 2006).

It is obvious that future integration of MD in clinical management protocols of SAH and TBI, relies on the identification and rigorous validation of a set of biomarkers. Consequently, the quest for the most suitable MD marker(s) of ABI continues, as proved by reports from different research groups on the potential value of many different markers for use in ABI (e.g. reactive oxygen species, nitric oxide metabolites, GABA, mediators of inflammation). Two such markers are S100B and GFAP, which were examined in the course of the current study. We chose to focus on twese two astroglial proteins as the astrocytes play a critical role in the regulation of the brain microenvironment, and they are immediately activated after the initial ictus. Moreover, both proteins have shown some promising results when measured in serum, cerebrospinal fluid (CSF), and ECF previously.

MD Catheter mimics a blood capillary

This image is a courtesy of CMA Microdialysis AB

Components of microdialysis catheter

(1) Connection for pump; (2) inlet tube; (3) catheter; (4) dialysis membrane; (5) outlet tube; (6) microvial holder; (7) microvial for collection of dialysis samples

This image is a courtesy of CMA Microdialysis AB

The bedside microdialysis system

This image is a courtesy of CMA Microdialysis AB

A.3. Protein S100B

Protein S100B belongs to a multigenic family of low molecular weight (9 - 13 kDa) Ca^{2+}-binding proteins of the so-called EF-hand-type. The first member of this family was identified back 1965, and was called S100 due to its solubility in 100% ammonium sulphate. Since then, nineteen different S100 proteins have been identified. They share various degrees of aminoacid homology, and are mainly characterised by two different Ca^{2+}-binding domains uniformly described as EF-hands (Donato 2001). As, chromosomes of nine members of the S100 superfamily (S100A1 - S100A9) were localised on the long arm of the human chromosome 1 (1q21), a new nomenclature for S100 proteins was introduced. Thus, the protein previously known as S100a is now referred to as S100A1. This nomenclature was also suggested for S100 proteins not located on 1q21, namely S100B (formerly S100b) on chromosome 21, and S100P on chromosome 4 (Schafer et al. 1995). S100B is found not only in glial cells of the central and peripheral nervous system (predominately astrocytes and Schwan cells) but is also expressed in melanocytes, adipocytes and chondrocytes outside the brain, albeit in lesser concentrations (Sen & Belli 2007). S100B is involved in intracellular signal transduction *via* the inhibition of protein phosphorylation, regulation of enzyme activity and of Ca^{2+} homeostasis. Moreover, S100B is functionally involved in the regulation of the cell morphology by interactiNG with elements of the cytoskeleton. S100B also exerts extracellular functions and may therefore be actively secreted. However, nothing is known about the mechanisms of secretion, apart from the fact that may exert neurotrophic as well as neurotoxic effects, depending on its concentration (Donato 2001). In concentrations within

the nanomolar range, S100B has been shown to have neurotrophic effects e.g. stimulating neuronal outgrowth (Kligman & Marshak 1985), and enhancing the survival of neurons after injury (Ahlemeyer et al. 2000). In contrast, micromolar levels of S100B may exert deleterious effects by driving neurons to enter apoptotic cell death (Fulle et al. 1997). Some studies also support the idea that S100B may have protective effects on brain cells after brain injury (Kleindienst et al. 2005).

S100B is elevated and released into the circulation in a variety of CNS disorders. Indicatively, brains from patients with Down's syndrome or Alzheimer's disease and temporal lobes from patients with epilepsy contain elevated levels of S100B (Sheng et al. 1994); (Griffin et al. 1995). Moreover, serum S100B levels were found 2.4 times higher in trisomy 21 compared to controls (Yang et al. 2005).

Much work has focused on the role of S100B protein in ABI. As it has already been noted, astrocytes dominate the cellular regulation of brain homeostasis, and these cells are immediately activated after primary brain injury. S100B is involved specifically in this process by regulation of calcium fluxes and stimulation of astrocyte proliferation (Sen & Belli 2007). S100B is then released into the extracellular space, enters the cerebrospinal fluid (CSF), and passes through the arachnoid villi into the blood where it can be measured (Petzold et al. 2003). Studies have been published on its measurement in CSF (Takayasu et al. 1985), serum (Wiesmann et al. 1997); (Petzold et al. 2002), and ECF (Sen et al. 2005) after ABI. It is these studies that have now rendered S100B a candidate biomarker of SAH and TBI. Petzold et al. (2002), studied 21 patients with TBI or

SAH. Serum S100B was found to be a sensitive biomarker for early prediction of the development of raised intracranial pressure and mortality after acute brain injury. In the study by Takayasu et al. (1985), S100B levels were measured serially in CSF of patients after subarachnoid haemorrhage and aneurysm surgery. High S100B levels were found in patients with poor SAH grades, and severe diffuse cerebral vasospasm was followed by a sharp S100B increase. Sen et al. (2005) measured brain ECF S100B concentrations for the first time in patients with acute brain injury. This study suggested that ECF S100B may be related to ICP and TCD values. The current study by monitoring ECF S100B in a larger group of patients with SAH, has the potential to lead us to more valid conclusions, as to the usefulness of ECF S100B in the management of this patient group.

A.4. Glial Fibrillary Acidic Protein

Glial fibrillary acidic protein (GFAP),of about 50 kDa molecular weight, is now well recognised as the principal 8–9 nm intermediate filament of mature astrocytes (Eng et al. 2000). GFAP was identified following lipid studies on the plaques found in brains of patients with multiple sclerosis (Eng et al. 1971); (Bignami et al. 1972). In middle 1980s, GFAP gained wider recognition as a prototype antigen in nervous tissue, and as a standard marker for use in neuroscience research (Eng et al. 2000). As an integral part of the astrocytic cytoskeleton, GFAP is implicated in the modulation of astrocyte motility and shape. In the cental nervous system (CNS) of higher vertebrates, following injury (be it due to trauma, genetic disorders, or chemical insult) astrocytes are quickly activated, resulting in the so-called reactive astrogliosis. The latter is characterized by a rapid synthesis of GFAP. Besides its main use for identification of astrocytes in the CNS (performed with the use of GFAP antisera), the molecular cloning of the mouse gene expanded to a great extent the potential uses of GFAP, especially in the field of molecular neuroscience (Lewis & Cowan 1985). It has to be noted, that GFAP is implicated in the neuropathology of Alexander's disease (ALEXANDER 1949). The pathologic hallmark of all forms of this rare disease is the presence of Rosenthal fibers, i.e. cytoplasmic astrocytic inclusions, which contain GFAP in association with small heat-shock proteins. Extensive research has indicated that the mutations in the GFAP gene are responsible for the majority of Alexander's disease cases, and ultimately that it is a primary disease of the astrocytes (Eng et al. 2000).

In the field of brain injury, GFAP has been studied in association with ischaemia, SAH, and TBI. GFAP has been shown to be upregulated in astrocytes after injury and may play a role in the ischemic process. GFAP-knockout mice (i.e. genetically engineered mice that have the GFAP gene made inoperable through a gene knockout) have a greater cortical infarct volume, decreased regional CBF, and increased ICP after ischemia/reperfusion, compared to control mice (Nawashiro et al. 2000). In clinical/translational research, GFAP has been studied by many groups as a biomarker of ABI. In a recent study from Sweden, patients with secondary events (re-bleeding or ischemia) after SAH, were found to reach maximum serum GFAP levels later during the observation period compared with GFAP levels in patients without secondary events (Nylen et al. 2007). Petzold (Petzold et al. 2006) measured CSF GFAP levels in patients with SAH, and showed that CSF GFAP levels may have prognostic value in SAH. Furthermore, in non-survivors, a secondary rise of GFAP levels became significant during the high-risk period for vasospasm. In TBI, serum GFAP levels above 1.5 ng/ml were found to strongly predict a fatal outcome (Vos et al. 2004). The only previous attempt to quantify ECF GFAP, was done in 8 patients with SAH, back in 1997 (Runnerstam et al. 1997). The concentration of GFAP was higher close to the bleeding site, and in certain patients, changes in GFAP concentration coincided with secondary insults such as increased ICP, vasospasm, ischemia and infarction. However, the MD methodology used by this group is not very clear, as the catheters used were prepared by the group according to a methodology, which does not specify the molecular weight cut-off of them. It is anticipated that the current study, which examined ECF GFAP in samples collected with commercially available 100 kDa cut-off catheters by 15 patients with SAH, will

advance the current state of knowledge on the potential use of GFAP as a diagnostic and prognostic marker.

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B. METHODS

B.1. Participants

35 patients with SAH with SAH were included in this longitudinal study. All patients were admitted to the NICU, University Hospital in Linköping, Sweden. Patient demographics are summarised in appendix 1.

B.2. Design and procedures

Ethical approval for the study was obtained by the local medical research ethics committee. Patients deemed suitable for MD were identified in the NICU, after admission due to SAH. Upon admission parameters such as GCS, RLS85, Fisher grade of CT on initial CT scan were recorded in order to indicate the severity of the SAH. ICP, CPP, RLS85, and GCS were recorded two-hourly thereafter. For ICP, CPP, and GCS, the available data indicated whether the observed value was above or below some generally acceptable cut-off points (25 mm Hg, 50 mm Hg, and a score of 8, respectively). TCD measurement was done once or even twice daily if deemed necessary, in all but one patient. The Glasgow Outcome Scale (GOS) - (see table on next page) at 6 months was recorded in 24 patients. The remaining 9 patients or their relatives could not be reached.

B.3. MD procedures

Intracerebral MD catheters (100 kDa molecular weight cut-off, produced by CMA Microdialysis, Solna, Sweden) were inserted into patients either in theatre or at the bedside. The catheter was either inserted via a burr hole and tunnelled under the scalp or catheter was inserted via a cranial bolt device threaded into the skull.

Catheters were removed when MD was not further needed, patient discharged from the NICU or patient died. Microvials containing ECF were collected hourly; after bedside analysis for standard monitoring purposes was performed, those still containing enough perfusate were coded and stored at -80° C. Special care was taken during their shipment to London so that they would not defrost.

B.4. ECF S100B measurement

S100B was measured using a modified in-house ELISA (Green et al. 1997) according to the following steps:

Stage 1, preparation of plate: 10 µL monoclonal anti-human s100β (product S-2352, Sigma, St Louis, Missouri, USA) was added to 10.5 mL working strength carbonate buffer (0.05 M, ph 9.5). 100 µL of this antibody solution was then added to each well of the ELISA plate. The plate was covered with Clingfilm and stored overnight at 4°C.

Stage 2, blocking: the primary antibody solution was decanted and the upturned plate was tapped on a paper towel to remove remaining fluid. 250 µL of rinse solution (2 ml block solution into 18 ml of phosphate buffered saline) was added to each well and the primary antibody solution was once again decanted. Wells were then filled with 250 µL block solution (2 g bovine serum albumin to 100 ml phosphate buffered saline) and incubated at room temperature for at least 30 minutes.

Stage 3, sample incubation: the block solution was decanted and 90µL sample diluent (10 ml block solution, 5 ml of 0.05 %Tween 20, 85 ml of barbitone buffer) was added to all wells. 10 µL of already prepared standards/already prediluted ECF samples (1:10 dilutions) were placed in duplicate wells. The plate was covered with Clingfilm and placed on the plate shaker for 2 hours at room temperature.

Stage 4, first wash: the plate was decanted and the wells were filled with 200µL wash solution (same as sample diluent). The plate was allowed to stand for 5 minutes at room temperature and the solution was then decanted. Washing was repeated a further 5 times (total wash time 30 minutes).

Stage 5, second antibody: 10µL peroxidase-conjugated rabbit antihuman spleen s100β (product PE 898, Dako, Copenhagen, Denmark) was added to 10.5ml sample diluent. 100µL of detector antibody solution was added to each well. The plate was covered with Clingfilm and incubated at room temperature for 1 hour with shaking.

Stage 6, second wash: the plate was washed using 6 changes of wash solution, as described above.

Stage 7, colour development: 100µL colour reagent (TMB Dako) was added to each well and the plate was incubated at room temperature in the dark until the colour of the top standard had developed sufficiently (typically 15-20 minutes).

The reaction was then stopped by adding 50µL 1M HCL to each well. The absorbance was subsequently measured at 492nm and 405nm

B.5. ECF GFAP measurement

GFAP was measured using a modified in-house ELISA (Petzold et al. 2004) according to 7 steps, as for S100B. However, different reagents were used. In stage 1, monoclonal anti-human GFAP (product SMI26, Sternberger) was used. Rinse and wash solution were the same (0.2 % bovine serum albumin, 0.05% Tween20 in $Barb_2EDTA$ Buffer). Block solution was made up by adding 2 g bovine serum albumin to 100 ml of $Barb_2EDTA$ Buffer; sample diluent was made by further diluting block solution (1:10). The second antibody used was peroxidase-conjugated rabbit anti-cow-GFAP (Dako, Denmark). Finally, the absorbance was read at 450 and 700 nm.

B.6. Data management

All patient data, including demographics, Fisher scores for CT scans, RLS85, GCS, GOS, ECF S100B and GFAP values, microdialysis data (lactate, pyruvate, LPR, glycerol and glutamate levels) and TCD values, were all stored on an excel database, and data was formatted for transfer to statistical packages.

B.7. Statistical methods

Data was transferred from Excel to SAS and SPSS packages and all statistical calculations and graphs were performed using these programmes.

Table 4. Glasgow Outcome Scale (GOS)

Score	Meaning
5	Good recovery – resumption of normal life despite minor deficits ("return to work" not reliable)
4	Moderate disability (disabled but independent) – travel by public transportation, can work in sheltered setting (exceeds mere ability to perform "activities of daily living")
3	Severe disability (conscious but disabled) – dependent for daily support (may be institutionalised – but this is not a criterion)
2	Persistent vegetative state – unresponsive and speechless; after 2-3 weeks may open eyes and have sleep/wake cycles
1	Death – most deaths ascribable to primary head injury occur within 48 hours

C. RESULTS

C.1. Quantification of ECF S100B and ECF GFAP

Both S100B and GFAP were successfully recovered from brain ECF samples collected with 100 kDa cut-off MD catheters from patients with SAH. Median ECF S100B was 2.02 ng/ml (Q1-Q3: 1.01-3.85 ng/ml), while median ECF GFAP was 138.81 ng/ml (Q1-Q3: 30.13-319.42 ng/ml).

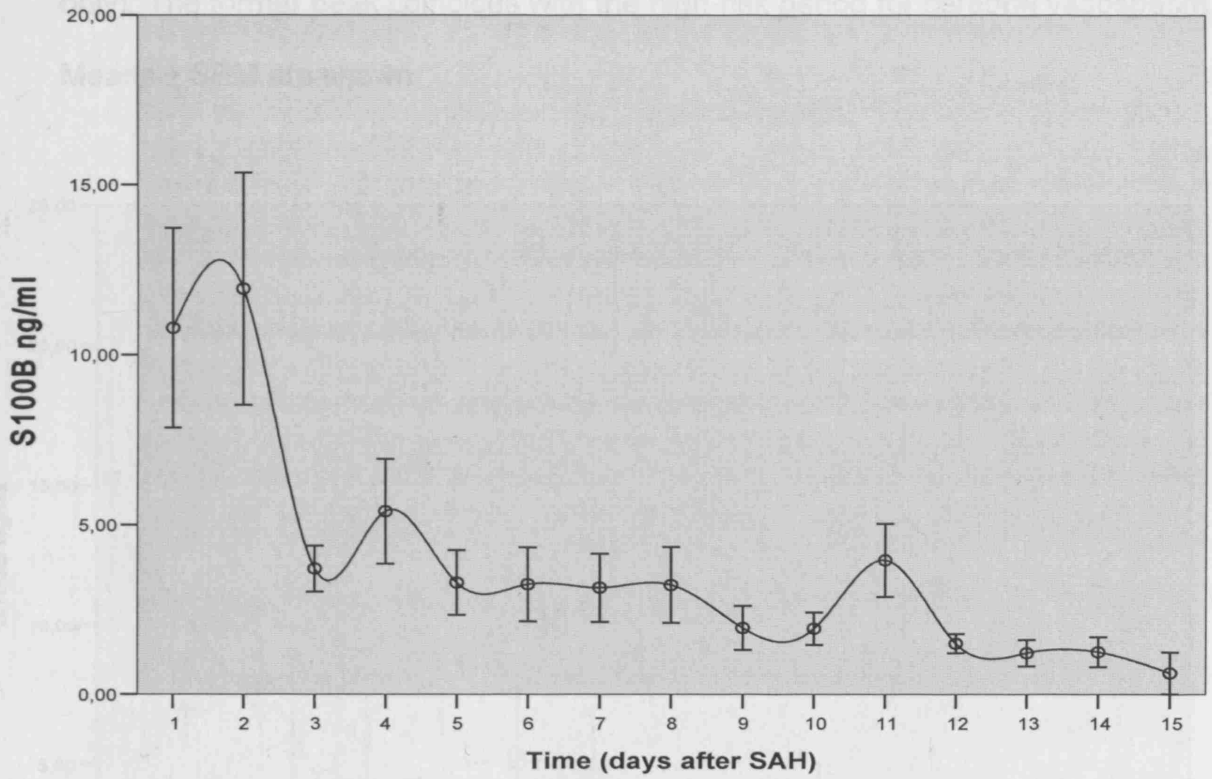
C.2. Patients overall

Patient AI157 was excluded from all following graphs, as MD catheter was implanted on day 7, right after decompressive craniotomy and an episode of vasospasm, resulting in extremely high ECF S100B and GFAP levels. If patient was included, the graphs would be misleading as secondary peaks would occur on day 7 onwards (which coincides with the high-risk period for vasospasm) due to the influence of the patient's extreme values.

- S100B

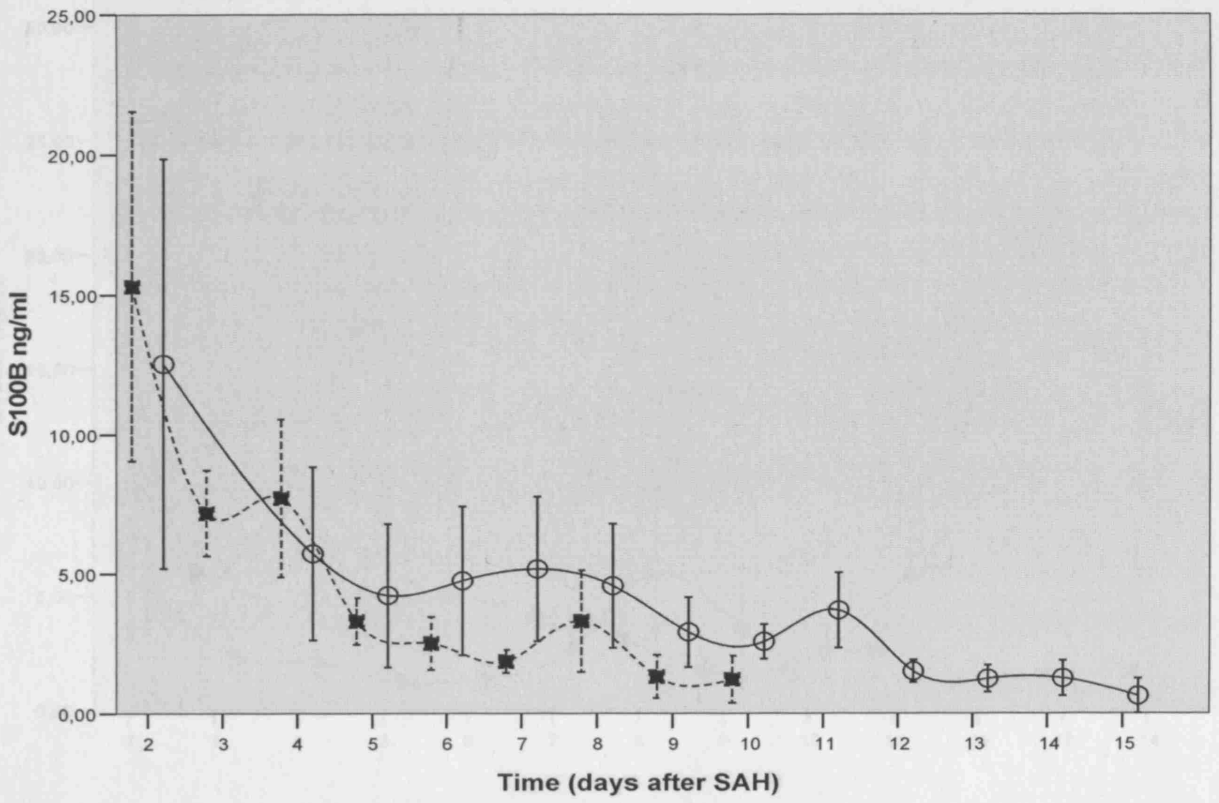
Graph 1: ECF S100B Profile in all SAH patients (n=34)

Mean daily ECF S100B concentrations ng/ml plotted against time (days after SAH). It has to be noted that patients do not contribute equally, as a day-to-day ECF S100B profile was not available for all of them. Means ± SEM are shown.



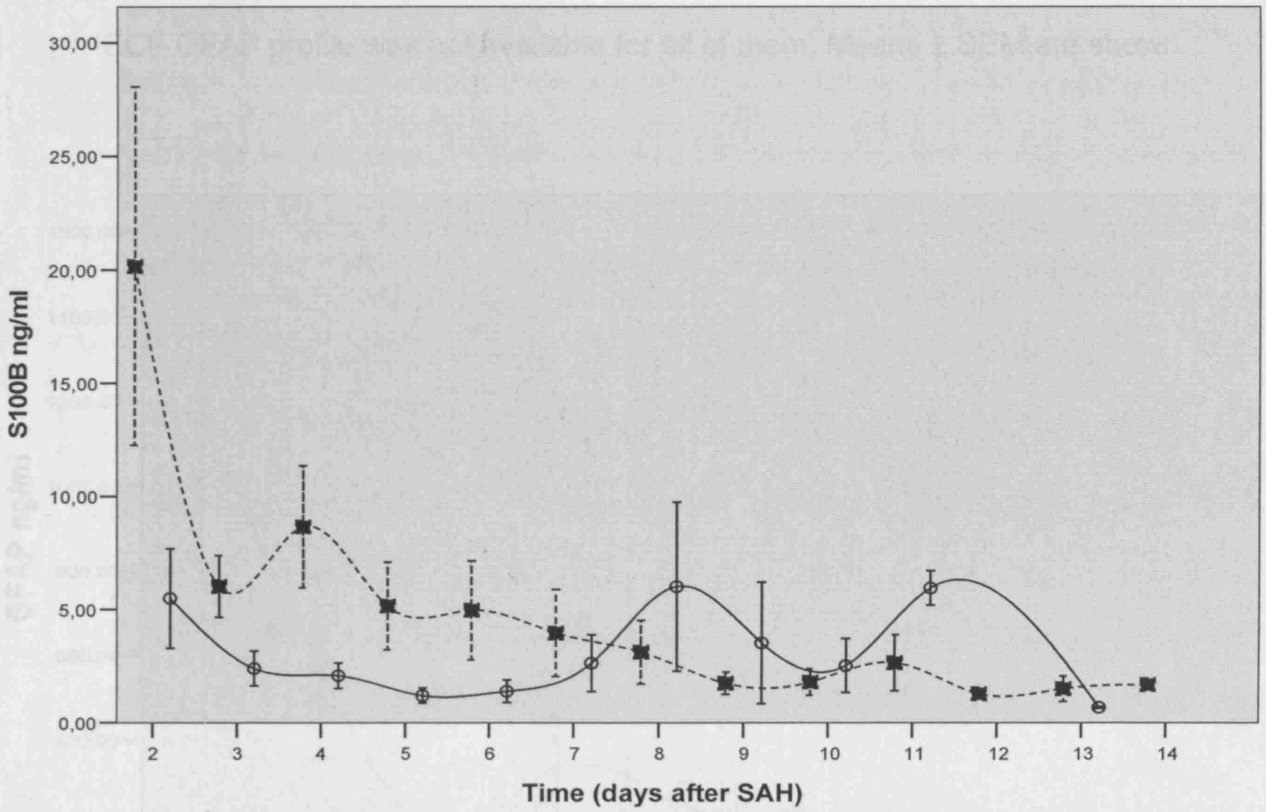
Graph 2: ECF S100B Profile in survivors versus non-survivors

Patients were categorised into survivors and non-survivors according to GOS at 6 months. The GOS was available in 23 out of 34 patients. Mean ECF S100B levels decrease by half from day 2 to day 4 (7.18±0.39) both in survivors (n=12, continuous line) and non-survivors (n=11, dotted line). Both groups exhibit secondary peaks after day 4, the most notable being an increase around day 7 (both survivors and non-survivors), and an increase around day 11 (survivors only). The former peak coincides with the high-risk period for cerebral vasospasm. Means ± SEM are shown



Graph 3: ECF S100B Profile in patients with good outcome versus patients with poor outcome

Patients were categorised according to GOS at 6 months: good outcome if GOS was 4 or 5, poor outcome if GOS was 1, 2 or 3. Patients with a good outcome (n=9, continuous line) start with mean levels as low as 5.48 ng/ml but exhibit secondary peaks. Mean S100B concentration is as high as 20.16 ng/ml on day 2 in patients with a poor outcome (n=14, dotted line). Means ± SEM are shown.

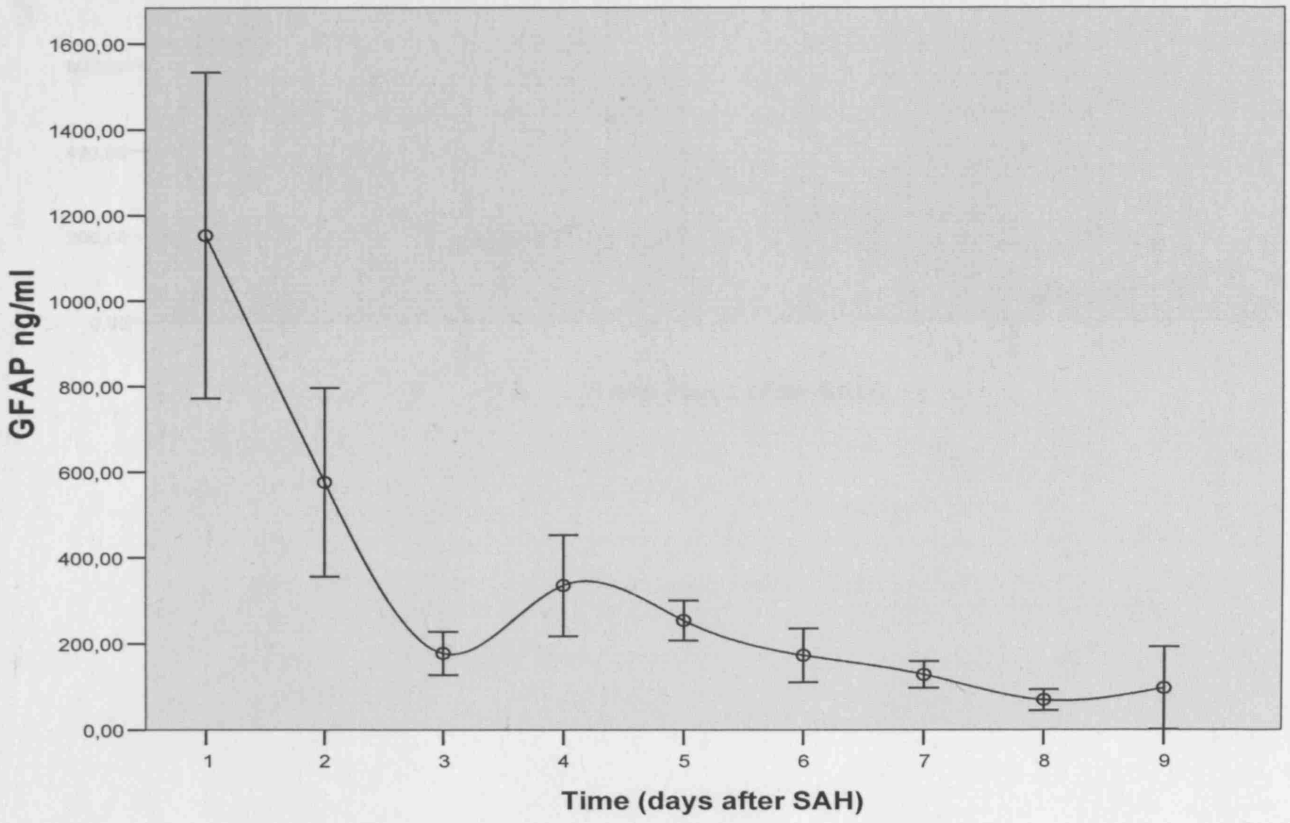


- GFAP

Patient JA134 was excluded from the following graphs, as patient's mean GFAP levels for days 1 and 2 were extreme outliers. When the means for days 1 and 2 (of the remaining 13 patients) were calculated without the outliers, the latter would have been at least 40 standard deviations above the means.

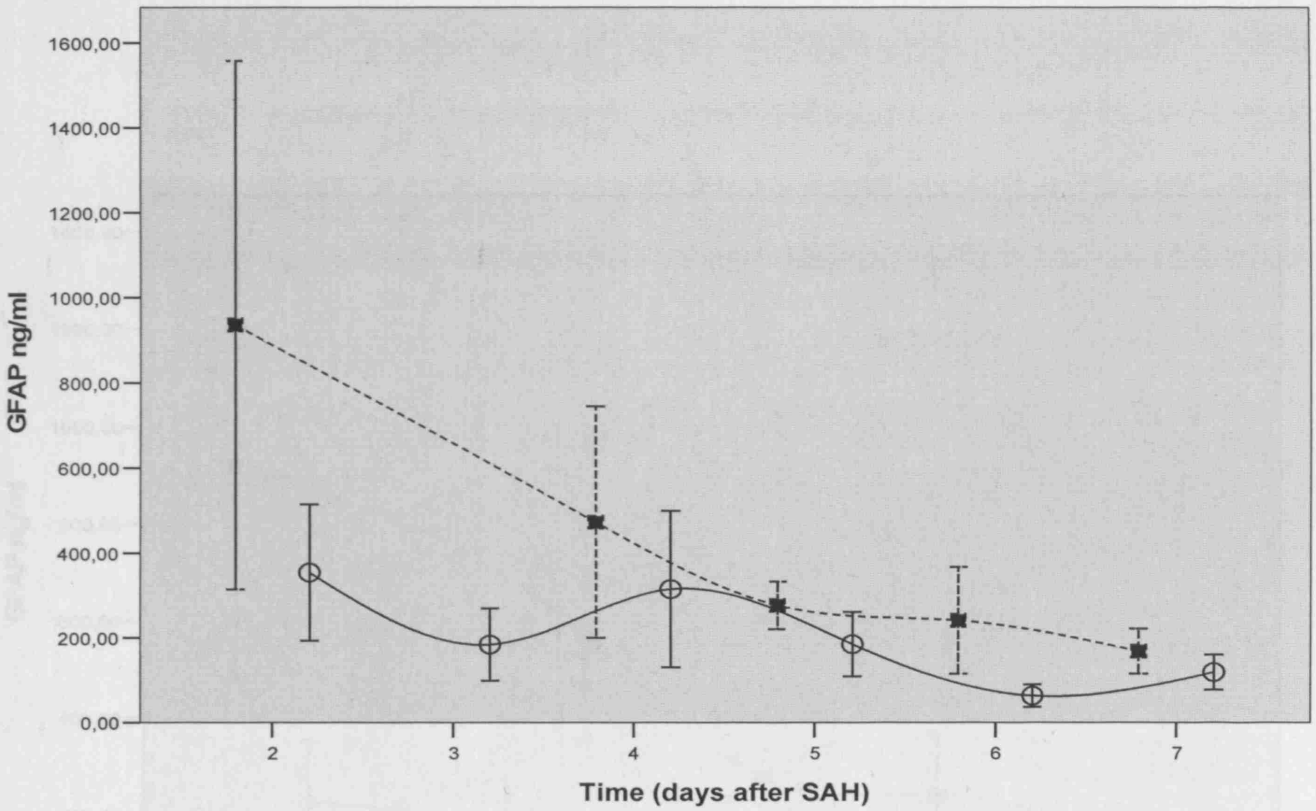
Graph 4: ECF GFAP Profile in all SAH patients (n=13)

Mean daily ECF GFAP concentrations ng/ml plotted against time (days after SAH). It has to be noted that patients do not contribute equally, as a day-to-day ECF GFAP profile was not available for all of them. Means ± SEM are shown.



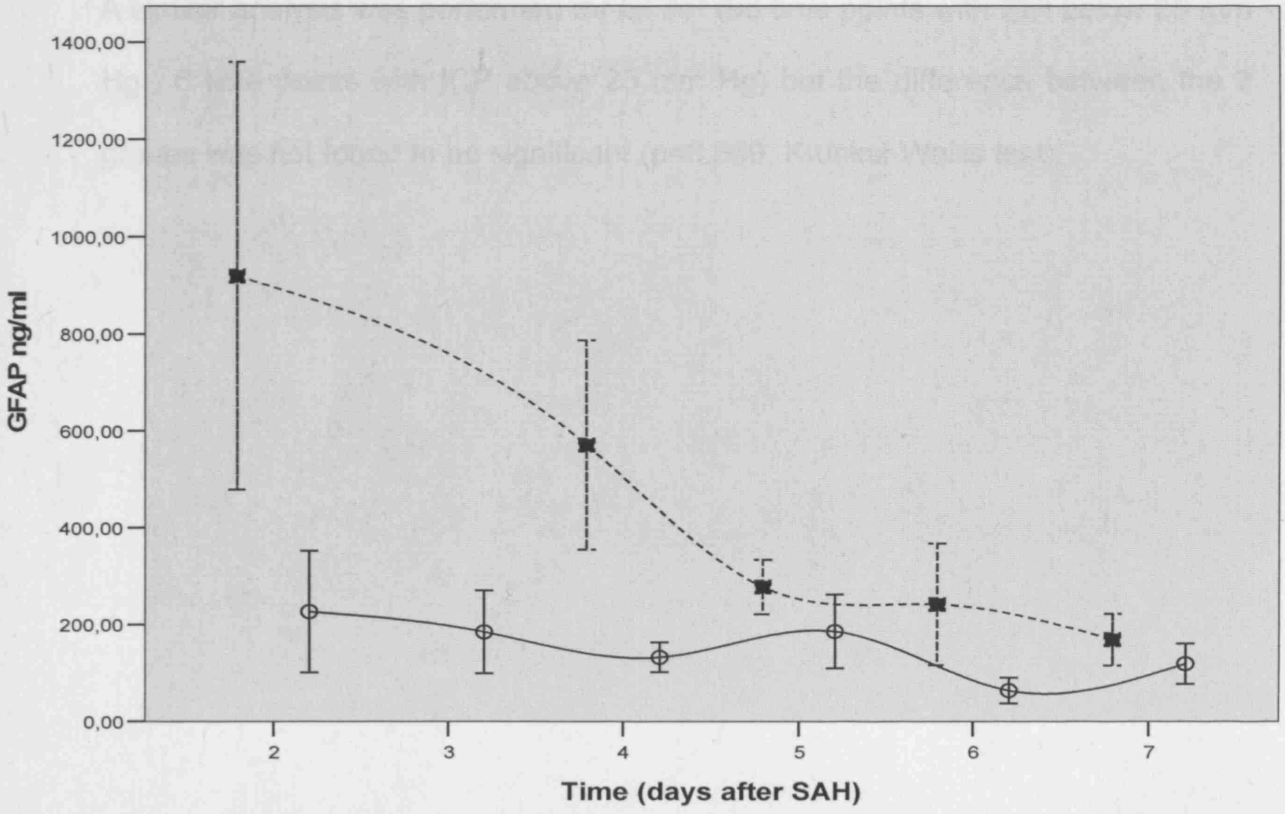
Graph 5: ECF GFAP Profile in survivors versus non-survivors

Patients were categorised into survivors and non-survivors according to GOS at 6 months. The GOS was available in 10 out of 13 patients with a GFAP profile available. GFAP levels are below 200 ng/ml on day 7 both in survivors (n=5, continuous line) and non-survivors (n=5, dotted line). Means ± SEM are shown.



Graph 6: ECF GFAP Profile in patients with good outcome versus patients with poor outcome

Patients were categorised according to GOS at 6 months: good outcome if GOS was 4 or 5, poor outcome if GOS was 1, 2 or 3. Patients with a good outcome (n=4, continuous line) have mean GFAP levels below 250 ng/ml from day 2 to day 7, whereas mean GFAP levels of patients with a poor outcome (n=6, dotted line) fall below 250 ng/ml on day 6. Means ± SEM are shown.



C.3. S100B and GFAP as predictors of high intracranial pressure

A simultaneous measurement of ICP was available for 456 out of 505 time points with a S100B measurement. The cut-off point for high ICP was set at 25 mm Hg. Of the 456 time points, ICP was above 25 mm Hg in 19 instances (S100B median: 3.77 ng/ml; Q1-Q3: 2.37-6.06 ng/ml) and below 25 mm Hg in 437 (S100B median: 2.15 ng/ml; Q1-Q3: 1.13-3.98 ng/ml). The difference in S100B levels between the high and low ICP groups was significant according to the Kruskall-Wallis test ($p=0.016$).

A similar analysis was performed for GFAP (96 time points with ICP below 25 mm Hg , 6 time points with ICP above 25 mm Hg) but the difference between the 2 groups was not found to be significant ($p=0.669$, Kruskal-Wallis test).

C.4. S100B and GFAP as predictors of low cerebral perfusion pressure

A simultaneous measurement of CPP was available for 456 out of 505 time points with a S100B measurement. The cut-off point for low CPP was set at 50 mm Hg. Of the 456 time points, CPP was below 50 mm Hg in 12 instances (S100B median: 3.65 ng/ml; Q1-Q3: 2.89-4.23 ng/ml; mean: 6.32 ng/ml) and above 50 mm Hg in 444 (S100B median: 2.16 ng/ml; Q1-Q3: 1.13-4.005 ng/ml). The difference in S100B levels between the high and low CPP groups tended to be significant according to the Kruskall-Wallis test ($p=0.054$).

A similar analysis was performed for GFAP (98 time points with CPP above 50 mm Hg , 4 time points with ICP below 50 mm Hg) but the difference between the 2 groups did not reach significance ($p=0.138$, Kruskal-Wallis test).

C.5. S100B and GFAP as predictors of mortality at 6 months

Glasgow Outcome Scale was available in 24 patients with a longitudinal S100B profile. Of them, 11 had a GOS of 1 at 6 months (non-survivors) and 13 had a GOS above 1 (survivors). Comparison of mean S100B levels between the 2 groups (non-survivors, mean S100B median: 4.68 ng/ml, Q1-Q3: 2.97-10.12 ng/ml; survivors, mean S100B median: 2.68 ng/ml, Q1-Q3: 1.76-4.06 ng/ml) narrowly missed significance (p=0.068, Kruskal-Wallis test). Comparison of maximum S100B levels between the 2 groups proved non-significant (p=0.283, Kruskal-Wallis test).

Glasgow Outcome Scale was available in 11 patients with a longitudinal GFAP profile. Of them, 5 had a GOS of 1 at 6 months (dead) and 6 had a GOS above 1 (survivors). Comparison of mean GFAP levels between the 2 groups proved non-significant (p=0.715, Kruskal-Wallis test). Comparison of maximum GFAP levels between the 2 groups again was non-significant (p=0.465, Kruskal-Wallis test)

C.6. S100B and GFAP as predictors of outcome at 6 months

A GOS of 1, 2 or 3 (death, vegetative state, and severe disability, respectively) was considered a poor outcome, whereas a GOS of 4 or 5 (moderate disability and good recovery, respectively) was considered a good outcome.

Of the 24 patients with a longitudinal S100B profile available, 15 had a poor outcome at 6 months (11 patients dead, 1 patient with GOS of 2, 3 patients with GOS of 3), whereas 9 had a good outcome (2 patients with GOS of 4, 7 with GOS of 5). Comparison of mean S100B levels between the 2 groups (poor outcome, mean S100B median: 4.68 ng/ml, Q1-Q3: 2.97-10.12 ng/ml; good outcome, mean S100B median: 1.83 ng/ml, Q1-Q3: 1.31-2.75 ng/ml) showed a significant difference at the 0.01 level ($p=0.0056$, Kruskal-Wallis test). Maximum S100B levels (poor outcome, maximum S100B median: 13.99 ng/ml, Q1-Q3: 10.26-25.49 ng/ml; good outcome, maximum S100B median: 7.08 ng/ml, Q1-Q3: 3.53-16.76 ng/ml) again proved significantly different between the two groups ($p=0.045$, Kruskal-Wallis test).

Of the 11 patients with a longitudinal GFAP profile available, 7 had a poor outcome at 6 months (5 patients dead, 1 patient with GOS of 2, 1 patient with GOS of 3) whereas 4 had a good outcome (all 4 had a GOS of 5). Comparison of mean GFAP levels between the 2 groups narrowly missed significance ($p=0.058$, Kruskal-Wallis test). However, when comparing maximum GFAP levels (poor outcome, maximum GFAP median: 1337.28 ng/ml, Q1-Q3: 385.25-2177.58 ng/ml;

good outcome, maximum GFAP median: 238.66 ng/ml, Q1-Q3: 103.19-433.80 ng/ml), the difference proved significant (p=0.037, Kruskal-Wallis test).

C.7. Summary of statistical correlations

S100B (mean per patient; maximum per patient) – Spearman's correlation rank

There was a significant negative correlation between S100B (mean per patient) and GOS at 6 months ($p=0.005$, $r= -0.554$, $n=24$).

The correlation between S100B (maximum per patient) and GOS at 6 months nearly misses significance ($p=0.063$, $r= -0.385$, $n=24$).

There was a significant positive correlation between S100B (mean per patient) and RLS-85 on admission ($p=0.045$, $r=0.340$, $n=35$).

There was a significant positive correlation between S100B (mean per patient) and RLS-85 (mean per patient) – ($p=0.037$, $r=0.352$, $n=35$).

GFAP (mean per patient; maximum per patient) – Spearman's correlation rank

There was a significant positive correlation between GFAP (mean per patient) and Fisher grade of SAH on initial CT scan ($p=0.046$, $r=0.521$, $n=15$).

There was a significant positive correlation between GFAP (maximum per patient) and Fisher grade of SAH on initial CT scan ($p=0.012$, $r=0.626$, $n=15$).

S100B (all values) – Spearman's correlation rank

There was a significant negative correlation between S100B and time after SAH ($p<0.001$, $r= -0.348$, $n=505$).

There was a significant negative correlation between S100B and time after MD catheter insertion ($p<0.001$, $r= -0.436$, $n=500$).

There was a significant positive correlation between S100B and GFAP ($p<0.001$, $r=0.394$, $n=111$).

There was a significant positive correlation between S100B and ECF glycerol ($p<0.001$, $r=0.167$, $n=462$).

There was a significant positive correlation between S100B and ECF glutamate ($p<0.001$, $r=0.240$, $n=456$).

There was a significant positive correlation between S100B and ECF Lactate:ECF Pyruvate ratio (LPR) – ($p<0.001$, $r=0.306$, $n=456$).

There was a significant positive correlation between S100B and ECF lactate ($p=0.001$, $r=0.150$, $n=460$).

There was a significant negative correlation between S100B and ECF pyruvate ($p=0.024$, $r= -0.105$, $n=459$).

There was a significant positive correlation between S100B and RLS-85 ($p<0.001$, $r=0.163$, $n=501$).

GFAP (all values) – Spearman's correlation rank

There was a significant negative correlation between GFAP and time after SAH ($p<0.001$, $r= -0.446$, $n=112$).

There was a significant negative correlation between GFAP and time after MD catheter insertion ($p<0.001$, $r= -0.655$, $n=107$).

There was a significant positive correlation between GFAP and S100B ($p<0.001$, $r=0.394$, $n=111$).

There was a significant negative correlation between GFAP and ECF lactate ($p<0.001$, $r= -0.447$, $n=103$).

There was a significant negative correlation between GFAP and ECF pyruvate ($p<0.001$, $r= -0.474$, $n=103$).

There was a significant positive correlation between GFAP and TCD mean flow velocities ($p=0.001$, $r=0.327$, $n=99$).

There was a significant positive correlation between GFAP and TCD maximum flow velocities ($p<0.001$, $r=0.421$, $n=99$).

MD markers (all values) – Spearman's correlation rank

There was a significant negative correlation between ECF glycerol and time after MD catheter insertion ($p<0.001$, $r= -0.058$, $n=4402$).

There was a significant negative correlation between ECF glutamate and time after SAH ($p<0.001$, $r= -0.194$, $n=4520$).

There was a significant negative correlation between ECF glutamate and time after MD catheter insertion ($p<0.001$, $r= -0.196$, $n=4344$).

There was a significant positive correlation between LPR and time after SAH ($p<0.001$, $r=0.098$, $n=4516$).

There was a significant positive correlation between LPR and time after MD catheter insertion ($p<0.001$, $r=0.118$, $n=4340$).

There was a significant positive correlation between ECF lactate and time after SAH ($p<0.001$, $r=0.284$, $n=4559$).

There was a significant positive correlation between ECF lactate and time after MD catheter insertion ($p<0.001$, $r=0.237$, $n=4383$).

There was a significant positive correlation between ECF pyruvate and time after SAH ($p<0.001$, $r=0.239$, $n=4542$).

There was a significant positive correlation between ECF pyruvate and time after MD catheter insertion ($p<0.001$, $r=0.272$, $n=4366$).

There was a significant positive correlation between ECF glycerol and ECF glutamate ($p<0.001$, $r=0.185$, $n=4533$).

There was a significant positive correlation between ECF glycerol and LPR ($p<0.001$, $r=0.219$, $n=4531$).

There was a significant positive correlation between ECF glycerol and ECF lactate ($p<0.001$, $r=0.155$, $n=4572$).

There was a significant positive correlation between ECF glutamate and LPR ($p<0.001$, $r=0.254$, $n=4475$).

There was a significant positive correlation between ECF glutamate and ECF lactate ($p<0.001$, $r=0.283$, $n=4515$).

There was a significant positive correlation between LPR and ECF lactate ($p<0.001$, $r=0.410$, $n=4535$).

There was a significant negative correlation between LPR and ECF pyruvate ($p<0.001$, $r= -0.184$, $n=4536$).

There was a significant positive correlation between ECF lactate and ECF pyruvate ($p<0.001$, $r=0.645$, $n=4535$).

There was a significant positive correlation between ECF glycerol and RLS-85 ($p<0.001$, $r=0.150$, $n=4574$).

There was a significant negative correlation between ECF glutamate and RLS-85 ($p<0.001$, $r= -0.077$, $n=4516$).

There was a significant positive correlation between LPR and RLS-85 ($p<0.001$, $r=0.293$, $n=4512$).

There was a significant positive correlation between ECF lactate and RLS-85 ($p<0.001$, $r=0.328$, $n=4555$).

There was a significant positive correlation between ECF pyruvate and RLS-85 ($p<0.001$, $r=0.175$, $n=4538$).

D. DISCUSSION

In-vivo results and findings

Both S100B and GFAP were successfully recovered from brain ECF samples collected with 100 kDa cut-off MD catheters from patients with SAH. Median ECF S100B was 2.02 ng/ml (Q1-Q3: 1.01-3.85 ng/ml), while median ECF GFAP was 138.81 ng/ml (Q1-Q3: 30.13-319.42 ng/ml). It is anticipated that the current study, which includes a large series of patients and focuses on ECF, reinforces and expands the conclusions of previous studies (Wiesmann et al. 1997), (Petzold et al. 2002), (Persson et al. 1988), (Petzold et al. 2006), (Sen et al. 2005), (Runnerstam et al. 1997) as to the usefulness of S100B and GFAP in a clinical setting. Moreover, as novel MD markers show promising results for the prediction of adverse insults and outcome after SAH, further evidence accumulates for an advanced role of MD as part of the multimodal monitoring of SAH, and ABI in general.

S100B findings

Several interesting correlations between S100B and other parameters were found in the course of the current study. S100B correlated with the RLS-85 on admission and mean RLS-85. As the best possible score of RLS-85 is 1 (patient alert, no delay in response) and the worst is 8 (patient unconscious, no response to painful stimuli), the above correlation means that mean S100B levels were

higher in patients with a more impaired consciousness both on admission and during hospital-stay. This finding is particularly important as the admission level of consciousness is related to the outcome of SAH (Hijdra et al. 1988), (Kassell et al. 1990).

S100B inversely correlated with both time after SAH and time after MD catheter insertion. This is also evident by looking at the graph (patient overall, graph 1) of S100B profile in all SAH patients, where mean daily ECF S100B concentrations are plotted against time (days after SAH). As to the correlations of ECF S100B with the traditional MD markers, S100B was found to correlate more strongly with LPR. As the latter appears to reliably reflect tissue ischaemia (Hillered et al. 2005a), it is reasonable to postulate that ECF S100B levels rise when ischaemia worsens. Also, of note is the correlation found between ECF S100B and ECF GFAP, which to some extent could reflect the common astrocytic origin of the two proteins.

Of clinical relevance is the finding that median S100B in the high ICP group was almost twice higher than that of the low ICP group. The cut-off point was set at 25 mm Hg, which is reasonable, as most centers use 20-25 mm Hg as the upper limit of ICP, above which treatment for intracranial hypertension is initiated (Greenberg 2001). In the setting of SAH, intracranial hypertension can lead to a decrease in CPP, subsequent lowering of CBF and ischaemia (Diringer & Axelrod 2007b). The aforementioned finding allows us to consider the possibility that monitoring of ECF S100B levels could contribute to early detection of patients at risk of secondary

rises in ICP and its deleterious sequelae. This way, early targeting of potentially dangerous interventions (e.g. decompressive craniotomy) could be achieved.

GFAP findings

GFAP was found to strongly correlate with the Fisher grade of SAH on initial CT scan. As it has already been noted, the latter is a 4-point scale (1 is the best score and 4 the worst) which grades SAH according to the amount of blood on initial CT (Fisher et al. 1980). As the severity of vasospasm has been shown to correlate with the amount of blood on CT scan, it is reasonable to suggest that GFAP could play a role in predicting the development of this dreaded complication. The positive correlation found between GFAP and TCD flow velocities certainly adds further to the aforementioned hypothesis that GFAP could be used as a tool for early detection/monitoring of cerebral vasospasm.

GFAP inversely correlated with both time after SAH and time after MD catheter insertion, as did S100B. This is clear when looking at the graph (patient overall, graph 4) of GFAP profile in all SAH patients, where mean daily ECF GFAP concentrations are plotted against time (days after SAH). GFAP was also found to inversely correlate with both lactate and pyruvate. This might simply reflect the fact that GFAP decreased, while lactate and pyruvate appeared to increase with time after SAH.

MD markers findings

Of note are the positive correlations of both lactate and pyruvate with time (both after SAH and after MD catheter insertion). The positive correlation of glutamate with both LPR and lactate probably reflects the fact that tissue ischaemia and subsequent energy failure lead to an increase in extracellular glutamate. Lactate appeared to strongly correlate with pyruvate, while lactate and LPR were found to correlate with RLS-85. It is a logical corollary that worsening ischaemia will ultimately lead to a decrease in consciousness level.

Outcome

One of the objectives of this study was to evaluate whether S100B and GFAP can predict the outcome after SAH. Comparison of mean S100B in survivors and non-survivors revealed that non-survivors had 1.8 times higher mean S100B levels; this comparison narrowly missed significance ($p=0.068$). However, comparison of mean S100B levels between patients with a good outcome (GOS of 4 or 5) and patients with a poor outcome (GOS of 1, 2 or 3) was significant at the 0.01 level ($p=0.0056$), and showed that the latter group had 2.5 times higher mean S100B levels. Comparison of maximum S100B levels between the same two groups was weaker but still significant ($p=0.045$).

GFAP was available in fewer patients with a known GOS ($n=11$), compared to S100B ($n=24$). Despite the smaller sample size, comparison of mean GFAP levels

between patients with a good outcome and patients with a poor outcome narrowly missed significance (p=0.058) and showed that the latter group had 5 times higher mean GFAP levels. A similar difference was found when comparing maximum GFAP levels between the same 2 groups; in this case it was statistically significant (p=0.037).

The potential prognostic value of S100B for prediction of outcome after SAH is also evident from the inverse correlation found between S100B (both mean and maximum) and GOS at 6 months.

The good versus poor outcome categorisation is probably more meaningful than that based on the distinction of death versus survival, as the former reflects quality-of-life issues, which are clearly of great significance after a stroke type which can be extremely incapacitating and mainly affects people of working age.

The fact that the GOS at 6 months was available in 24 out of 35 patients could be a potential source of selection bias. Nevertheless, it has to be noted that both subgroups studied in order to evaluate the prognostic value of S100 and GFAP (24, and 11 patients respectively) were generally well balanced in terms of survivors and non-survivors, and patients with a favourable and poor outcome.

The aforementioned findings add to the already existing evidence for a prognostic value of serum S100B (Wiesmann et al. 1997), (Petzold et al. 2002), CSF S100B (Persson et al. 1988), ECF S100B (Sen 2005), and MD markers (Hillered et al.

2005b) in SAH. As to ECF GFAP, to our knowledge, this is the first demonstration of its potential value as a prognostic tool in SAH.

Microdialysis as a research and clinical tool

MD is a minimally invasive tool which allows us to continuously monitor the chemistry of the extracellular space in living tissue. Instead of waiting until the tissue metabolic changes reflect in the peripheral blood, in systemic physiological parameters or even in the clinical state of the patient, with MD we have the opportunity to intervene early and hopefully avert significant tissue damage (Ungerstedt 1991).

This is the principal advantage of MD, which in the setting of SAH and in general ABI, renders it a powerful tool for neuromonitoring. MD has the potential to open a new early window for diagnosing secondary brain injury, before irreversible neuronal damage occurs. This could provide the ground for better targeting of existing and future therapies, which, in the setting of ABI, undoubtedly carry the potential for improvement but also for deterioration. MD could hopefully allow us to balance each individual's risk for secondary brain damage against the expected benefits and risks of any intervention. A slightly different but clinically relevant application of MD is the use of MD markers as surrogate end points in order to evaluate therapeutic interventions in individuals (Sen & Belli 2007).

MD clearly has the potential to become an established part of the multimodal monitoring of ABI (De Georgia & Deogaonkar 2005b); (Springborg et al. 2005a).

However, the future success of MD as a diagnostic tool in ABI depends on the choice of a set of biomarkers, which would be sensitive and specific for predicting secondary insults, and the availability of methods for rapid analysis and easy-to-comprehend bedside presentation of this set of biomarkers (Hillered et al. 2005c). The number of candidate biomarkers is considerable. Apart from the traditional MD markers (glycerol, glycose, lactate, pyruvate, LPR and glutamate), the two proteins studied here are definitely "serious" candidates. Other substances, which have already emerged as candidates and are currently under further investigations, are reactive oxygen species (Langemann et al. 2001), nitric oxide metabolites (Staub et al. 2000), N-acetyl aspartate (Belli et al. 2006), GABA (Hutchinson et al. 2002), mediators of inflammation (Winter et al. 2002), and neuronal markers such as neurofilaments, and Tau protein (Petzold 2007).

As a research tool, MD is already established in the field of ABI. MD has provided new insights into the neurochemistry, and thereby the pathophysiology of ABI (Tisdall & Smith 2006). This is also self-evident, as many of the studied markers (e.g. reactive oxygen species, nitric oxide, glutamate, mediators of inflammation) are also implicated into the complex pathobiochemical processes, which are initiated after the initial ictus. Proteomics of ECF open a whole new field of interest in the field of ABI research. Proteomics may be used to study protein patterns after ABI and thereby shed more light into its pathophysiology. Moreover, this way, new brain-specific proteins could be identified and then evaluated as biomarkers of secondary brain damage (Hillered et al. 2005a).

Nevertheless, MD is still a relatively new technique and many issues which hamper its routine utilisation remain unresolved. As MD monitors changes in the vicinity of the catheter, it is obvious that catheter placement is of paramount importance in the interpretation of the results. For example, it is well known that MD signals may be smaller in white than in gray matter (Hillered et al. 2005a); this may have influenced the results of the current study. Moreover, minor to moderate MD fluctuations may be related to dynamic changes of the architecture and size of the extracellular space, blood-brain barrier dysfunction and analytical imprecision. Another issue is the inherent with MD difficulty of establishing normal values (reference range). It is instantly obvious, that further validation MD studies, and new methods to control for the variability of *in vivo* substance recovery are warranted (Hillered et al. 2005a). Furthermore, as it is also the case with most-neuromonitoring techniques, it is difficult to obtain "hard" evidence for an actual positive impact of MD on patient outcome (Springborg et al. 2005b). Even so, MD is a powerful technique with several useful applications in ABI research and clinical management.

E. CONCLUSION

Two astroglial proteins, S100B and GFAP, were successfully recovered from brain ECF samples collected with 100 kDa cut-off MD catheters from 35 patients with SAH. Both proteins were evaluated as novel biomarkers of secondary insults, which are a major cause of morbidity and mortality after SAH. ECF S100B showed some promising results for early detection of intracranial hypertension, whereas ECF GFAP emerged as a candidate biomarker for the development of cerebral vasospasm. Moreover, both proteins appeared as useful prognostic tools following SAH. ECF S100B levels were higher in patients with a more impaired consciousness both on admission and during hospital-stay, whereas patients with a poor outcome had 2.5 times higher mean S100B levels than those with a favourable outcome. ECF GFAP levels appeared to be about 5 times higher in patients with a poor outcome, when compared to patients with a favourable outcome. These findings add to the already existing evidence for the potential value of serum, CSF, and ECF S100B, as biomarkers after SAH.. As to ECF GFAP, to our knowledge, this is the first demonstration of its potential value as a prognostic tool in SAH, and biomarker for cerebral vasospasm. MD is a powerful technique for sampling the brain ECF, and thereby monitoring the neurochemistry of various neurologic conditions. It has been extensively used in basic and translational research in ABI. The results of our study add to the already existing evidence, that MD has the potential to contribute to the multimodal monitoring of ABI, and specifically SAH, in the NICU setting. Further studies are warranted to evaluate the potential value of the two proteins studied here, and MD in general, for clinical decision-making in the NICU. It is anticipated that in the near future, combination of proteomics and MD could considerably accelerate identification of biomarkers, and thereby lead to a routine use of MD, as part of multimodal

neuromonitoring of ABI. By addressing the issue of how secondary brain injury could be detected earlier, and how outcome could be predicted more accurately, the current study hopefully contributes to the ongoing research in quest of a more favourable prognosis for patients, once SAH has been sustained.

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APPENDIX 1

PATIENT ID	AGE	GENDER	RLS-85 ON ADMISSION	FISHER GRADE	GOS (6 months)	mean S100B (ng/ml)	mean GFAP (ng/ml)
AB152	48	F	8	3	3	22.956	x
AC160	40	F	2	3	1	1.985	x
AI157	43	F	4	3	2	8.381	2600.650
AM156	44	F	6	3	1	3.562	215.374
BBM152	48	F	1	3	1	10.543	x
BM143	57	F	7	3	1	2.972	x
EY149	51	F	3	2	5	1.140	31.165
GB138	62	F	2	3	1	5.686	440.808
GP157	43	M	4	3	x	3.678	x
GT154	46	M	3	3	x	3.527	435.122
HC141	59	F	1	4	x	2.431	457.646
HP171	29	M	1	2	x	3.563	x
IC134	66	F	8	3	1	12.640	x
JA134	66	F	3	4	x	6.790	21082.220
JAM149	51	F	7	3	3	3.287	x
JE162	38	F	7	3	x	3.869	.
JE152	48	F	1	3	5	2.752	235.298
JK147	53	F	2	2	5	0.186	x
JS162	38	F	1	3	x	1.864	219.438
KB154	46	F	7	4	1	10.122	x
KE156	44	F	2	3	1	5.182	1470.020
KI171	29	F	1	3	1	4.680	662.948
LB165	35	M	2	3	5	1.316	x
LM142	58	F	7	4	4	2.000	x
MNB153	47	F	6	3	1	2.032	176.972
MUB163	37	x	3	3	x	3.567	x
NB151	49	x	8	3	3	2.680	865.593
NL153	47	M	2	3	x	2.438	x
SAC147	53	F	3	3	5	4.069	26.020
SB164	36	M	3	3	5	1.834	x
SE152	48	M	4	3	1	3.613	x
SH144	56	F	1	3	5	1.768	219.177
SM171	29	M	2	3	x	1.668	x
SPO152	48	x	3	3	x	1.977	x
VJ133	67	M	8	3	4	7.312	x
MEDIANS	48		3	3	2.5	3.527	435.122
MINIMUM	29		1	2	1	0.186	26.020
MAXIMUM	67		8	4	5	22.956	21082.220

Keys:

IDpat= patient id

IDcath= catheter id

T= time after SAH (hours)

S100B= ECF S100B

GFAP= ECF GFAP

RLS= RLS-85

ICP>25= ICP above 25 mm Hg

CPP<50= CPP below 50 mm Hg

TCDmean= TCD mean flow velocities (cm/sec)

TCDmax= TCD maximum flow velocities (cm/sec)

mng= meningitis

glyc= ECF glycerol

glut= ECF glutamate

LPR= lactate:pyruvate ratio

lac= ECF lactate

pyr= ECF pyruvate

0= no

1= yes

IDpat	IDcath	T	S100B	GFAP	RLS	ICP>25	CPP<50	TCDmean	TCDmax	mng	glyc	glut	LPR	lac	pyr
AB152	2	0			8					0					
AB152	2	2			4					0					
AB152	2	4			4					0					
AB152	2	6			4	0	0			0					
AB152	2	8			4	0	0			0					
AB152	2	10			4	0	0			0					
AB152	2	12			4	0	0			0					
AB152	2	13			4	0	0			0					
AB152	2	14			4	0	0			0					
AB152	2	16			4	0	0			0					
AB152	2	18			4	0	1			0					
AB152	2	20			3	0	0			0					
AB152	2	22			3	0	0			0					
AB152	2	24			3	0	0			0					
AB152	2	26			3	0	0			0					
AB152	2	28			3	0	0	16	68	0	300.9	251.7	43.7	4.3	99.6
AB152	2	30			2	0	0	16	68	0	486.2	336.2	40.4	8.8	218.4
AB152	2	32			2	0	0	16	68	0	537.5	331.2	38.8	9.8	251.5
AB152	2	34			2	0	0	16	68	0	628.5	383.7	40.7	9.6	236.6
AB152	2	36			2	0	0	16	68	0	574.8	370.9	41.2	6.8	164
AB152	2	38			2	0	0	16	68	0	451.1	315.3	41	5	121.2
AB152	2	40	69.62		3	0	0	16	68	0	408.2	295.8	37.3	5	134.9
AB152	2	42			3	0	0	16	68	0	341.7	250.7	39.1	4.3	110.8
AB152	2	44			3	1	0	16	68	0	266.8	200.3	34.2	4	116
AB152	2	46			3	0	0	16	68	0	250.4	186.9	33.1	3.9	116.7
AB152	2	48			3	0	0	16	68	0	249.2	179.2	31.8	4.4	139.8
AB152	2	50			2	0	0	16	68	0	222.5	154.1	31	4.2	137
AB152	2	52			2	0	0	16	68	0	201.7	141	31.5	4.4	140.9
AB152	2	54			2	0	0	16	68	0					
AB152	2	56			2	0	0	16	68	0	178	128.8	31.5	4.6	145.7
AB152	2	58			2	0	0	16	68	0					
AB152	2	60			2	0	0	16	68	0					
AB152	2	62			2	0	0	16	68	0					
AB152	2	64			2	0	0	16	68	0					
AB152	2	66			2	0	0	16	68	0					
AB152	2	68			2	0	0	16	68	0	37.6	17.8	25.9	1.3	50.3
AB152	2	70			2	0	0	16	68	0	61.1	35.2	34.8	2.6	73.3
AB152	2	72			2	0	0	16	68	0	56.8	37.7	36.8	4.3	116.8
AB152	2	74			2	0	0	16	68	0	68	46.6	31.4	5.1	163.1
AB152	2	76			2	0	0	36	48	0	70.2	64.7	29.4	7.4	249.7
AB152	2	78	30.06		2	0	0	36	48	0	63.6	51.4	30.8	8.2	266.2
AB152	2	80			2	0	0	36	48	0	55.9	66.6	35.8	8.5	239.1
AB152	2	82			2	0	0	36	48	0	47.6	64.4	31.9	7.9	248.4
AB152	2	84			2	0	0	36	48	0	40.7	70	43.2	7.9	183.5
AB152	2	86			2	0	0	36	48	0	306.3	229.1	40	4.3	107.8
AB152	2	88			5	0	0	36	48	0	42	68.8	42.6	8	188.9
AB152	2	90			5	0	0	36	48	0	30.3	73.2	43.1	8.2	189.2
AB152	2	92			5	0	0	36	48	0	27.9	65.6	38.2	6.6	173
AB152	2	94			5	0	0	36	48	0	23.3	63.4	38.3	7.7	200
AB152	2	96			5	0	0	36	48	0	24.8	65.3	39	7.5	192.7
AB152	2	98			5	0	0	36	48	0	22.5	63.5	37.7	6.8	180.9
AB152	2	100			5	0	0	36	48	0	24.6	61.8	37.9	7.2	189
AB152	2	102	27.18		5	0	0	36	48	0	27.7	62.8	37.3	7.7	206.7
AB152	2	104			5	0	0	36	48	0	48.1	60.9	37.2	7.4	198
AB152	2	106			5	0	0	36	48	0	48.3	56.1	36.3	7.1	196
AB152	2	108			5	0	0	36	48	0	35.3	58.7	37.4	7.1	189.4
AB152	2	110			5	0	0	36	48	0	47.3	54.6	36.5	7.1	194.7
AB152	2	112			5	0	0	36	48	0	46.6	53.4	35.5	7	197.8
AB152	2	114			5	0	0	36	48	0	42.8	55.3	34.7	6.8	194.7
AB152	2	116			5	0	0	36	48	0	48.4	55.4	34.7	6.9	198.8
AB152	2	118			5	0	0	36	48	0	43.4	56.4	34.2	6.9	201.2
AB152	2	120			5	0	0	36	48	0	42.4	50.5	35.1	6.5	186.5
AB152	2	122			5	0	0	36	48	0	45.1	47.2	35.4	6.6	187
AB152	2	124			5	0	0	62	160	0	63.8	35.7	27.5	6.5	236.4
AB152	2	126	25.39		5	0	0	62	160	0	52.9	34.8	29.1	6.7	229

AB152	2	128		5	0	0	62	160	0	47.4	33.2	29.7	6.6	223.5
AB152	2	130		5	0	0	62	160	0	72.2	31.2	28.1	6.1	216.1
AB152	2	132		5	0	0	62	160	0	43.5	29.2	27.5	7	253.7
AB152	2	134		5	0	0	62	160	0	43.7	30.5	26.4	6.3	240.3
AB152	2	136		5	0	0	62	160	0	48	29.5	26.7	6.3	235
AB152	2	138		5	0	0	62	160	0	49.3	31.5	29	7.2	246.8
AB152	2	140		5	0	0	62	160	0	43.9	29.1	27.5	6.9	250.3
AB152	2	142		5	0	0	62	160	0	48.9	31.6	28.1	6.5	229.7
AB152	2	144		5	0	0	62	160	0	32.6	31.9	27.8	6.7	239.9
AB152	2	146		5	0	0	62	160	0	64.1	34.9	28.7	6.7	234.6
AB152	2	148	24.77	5	1	0	34	100	0	70.6	33.8	37.3	7.3	195.8
AB152	2	150		5	1	0	34	100	0	52.8	33.5	34	8.1	237
AB152	2	152		5	0	0	34	100	0	48.3	31	33.4	8.8	263.8
AB152	2	154		5	0	0	34	100	0	55.9	33.5	30.9	7.8	251.6
AB152	2	156		5	1	0	34	100	0					
AB152	2	158		5	1	0	34	100	0					
AB152	2	160		5	0	0	34	100	0					
AB152	2	162		5	1	0	34	100	0	59.6	40.1	39.2	9.7	247.8
AB152	2	164		5	1	0	34	100	0	74.3	28.7	30.7	10.3	336.1
AB152	2	166		5	0	0	34	100	0	62.1	20.4	35.6	10.6	297.8
AB152	2	168		5	0	0	34	100	0	53.8	20.8	34.5	9.3	269.4
AB152	2	170		5	0	0	34	100	0	49.8	17.5	32.4	9.2	284
AB152	2	172		5	0	0	34	100	0	37.2	16.2	30.4	9.7	320.3
AB152	2	174		5	0	0	34	100	0	47.5	15.8	32.4	8.3	257.8
AB152	2	176		5	0	0	34	100	0	47.7	15.4	32.4	8.5	263.8
AB152	2	178		5	0	0	34	100	0	40	16.5	33.6	8.8	261.3
AB152	2	180		5	0	0	34	100	0	56.9	18.3	31.9	8	251.6
AB152	2	182		5	0	0	34	100	0	59.2	18.1	36.5	7.8	213.5
AB152	2	184		5	0	0	34	100	0	55.9	9	53.8	3.5	64.5
AB152	2	186		5	0	0	34	100	0	20.5	18.1	36	8	222.5
AB152	2	188		5	0	0	34	100	0	24.5	17.8	37.2	8.4	227
AB152	2	190		5	0	0	34	100	0	17.1	19	41.8	8.7	206.9
AB152	2	192		5	0	0	34	100	0	21.8	22.3	38.1	8.9	234.5
AB152	2	194		5	0	0	34	100	0	18.2	18.1	39.8	10.3	258.1
AB152	2	196	1.8	5	0	0	34	100	0	22.2	18.3	37.8	9.3	245.9
AB152	2	198		5	0	0	34	100	0	20.8	20.3	37.4	9.2	246.6
AB152	2	200		5	0	0	34	100	0	28.4	22.3	42.7	11.6	272
AB152	2	202		5	0	0	34	100	0	38.8	23.3	45.4	10.5	232.2
AB152	2	204		6	0	0	34	100	0	28.6	18.1	34.7	9.4	271.8
AB152	2	206		6	0	0	34	100	0	31.8	20.8	36.4	10.5	289.5
AB152	2	208		6	0	0	34	100	0	20.2	20.6	36.2	9.2	253.3
AB152	2	210		6	0	0	34	100	0	24.5	19	31	8.2	266
AB152	2	212		6	0	0	34	100	0	18.7	19.6	39.7	10.9	275.1
AB152	2	214		6	0	0	34	100	0	28.5	18.6	35.4	9.4	267
AB152	2	216		6	0	0	34	100	0	23.4	20.4	34	7.9	230.9
AB152	2	218		6	0	0	34	100	0	24.9	17.8	34.8	9.9	284.2
AB152	2	220		6	0	0	34	100	0					
AB152	2	222		6	0	0	34	100	0	33	23.7	39.6	11.4	288.6
AB152	2	224		6	0	0	34	100	0	23.5	21.3	32.3	10.4	321.4
AB152	2	226		6	0	0	34	100	0	30.8	22.6	41.5	10.4	250.2
AB152	2	228		6	0	0	34	100	0	53.6	22.8	40.5	11.4	280.5
AB152	2	230		6	0	0	34	100	0	37.1	20.9	39.7	11.5	290
AB152	2	232		6	0	0	34	100	0	40.8	19.1	42	10.8	256.4
AB152	2	234		6	0	0	34	100	0	38.2	19.4	42.4	9.9	233.1
AB152	2	236		6	0	0	34	100	0	61.5	22	52.7	13.1	249.2
AB152	2	238		6	0	0	34	100	0	135.4	23	54.3	14.4	264.9
AB152	2	240		6	0	0	34	100	0	205.6	24.8	68.7	14.4	209.4
AB152	2	242		6	0	0	34	100	0	210.9	25.8	52.5	13.7	259.9
AB152	2	244		6	0	0	34	100	0	208.4	24.8	52.9	12.7	239.5
AB152	2	246		6	0	0	34	100	0	171.4	24.7	46.2	11.2	242.2
AB152	2	248		6	0	0	34	100	0	177.6	24.1	48	13	270.9
AB152	2	250		6	0	0	34	100	0	134.8	25.3	42.1	11.3	267.3
AB152	2	252		6	0	0	34	100	0	95.8	23.9	36.5	10.3	281.8
AB152	2	254		6	0	0	34	100	0	60.8	25.8	37.7	10	266.6
AB152	2	256		6	0	0	34	100	0	74.4	28.1	41.3	9.5	229.2
AB152	2	258		6	0	0	34	100	0	52.1	26.6	37.5	9.2	244.7
AB152	2	260		6	0	0	34	100	0	64.3	27.6	42.5	11.6	272.6
AB152	2	262		6	0	0	34	100	0	73.8	28.2	41.1	10.1	246.3

AB152	2	264		6	0	0	34	100	0	66.8	31.5	42	10.6	251.5
AB152	2	266		6	0	0	34	100	0	56.7	29.4	42.6	11.2	262.1
AB152	2	268		6	0	0	46	60	0	62.6	28.6	48.8	11.8	241.4
AB152	2	270		6	0	0	46	60	0	107.5	30.9	61.2	12.2	199.4
AB152	2	272		6	0	0	46	60	0	106.7	29.8	54.9	13.3	242.8
AB152	2	274		6	0	0	46	60	0	99.4	32.8	44.3	10.9	245.8
AB152	2	276		6	0	0	46	60	0	78.9	32.7	43	10.2	236.8
AB152	2	278		6	0	0	46	60	0	55.6	30.6	37.9	11.2	294.7
AB152	2	280		6	0	0	46	60	0	47.1	33.1	42.1	10.5	249.2
AB152	2	282		6	0	0	46	60	0	46.9	34.8	40.1	10.4	259.9
AB152	2	284		6	0	0	46	60	0	39.4	39.7	34.9	9.8	281.1
AB152	2	286		6	0	0	46	60	0	68.5	64.9	34.5	10.3	298.6
AB152	2	288		6	0	0	46	60	0	33.2	34.6	35.1	10.5	298.3
AB152	2	290		6	0	0	46	60	0	32.1	61.3	41.3	9.8	237.8
AB152	2	292		6	0	0	46	60	0	43.8	26.2	38.2	10.5	275.8
AB152	2	294		6	0	0	46	60	0	37.2	33.2	37.6	10	265.7
AB152	2	296	2.82	6	0	0	46	60	0	22.2	32.2	34	11.3	332.7
AB152	2	298		6	0	0	46	60	0	24.4	26.1	38	11.2	294.5
AB152	2	300		6	0	0	46	60	0	21.9	27.9	36.8	11.2	302.9
AB152	2	302		6	0	0	46	60	0	28.4	23.5	0	12.6	349.9
AB152	2	304		6	0	0	46	60	0	17.9	19.9	35.9	12.1	335.3
AB152	2	306		6	0	0	46	60	0	23	18.6	33.6	11.1	331.3
AB152	2	308		6	0	0	46	60	0	17.1	5.6	26.2	12.2	465.5
AB152	2	310		6	0	0	46	60	0	31.8	3.4	22.8	12.1	532.8
AB152	2	312		6	0	0	46	60	0	38.2	3.9	22	10.8	492
AB152	2	314		6	0	0	46	60	0	30.6	2.7	23.9	12.1	506.2
AB152	2	316		6	0	0	46	60	0	76.6	2.5	24.8	12.7	512
AB152	2	318	2.01	6	0	0	46	60	0	53.4	2.3	26.7	12.8	477.6
AB152	2	320		6	0	0	46	60	0	50.8	2.6	28.6	12.7	444.1
AB152	2	322		6	0	0	46	60	0	77.9	1.8	27.8	12.6	453.8
AB152	2	324		6	0	0	46	60	0	139.1	2.1	30.3	12.8	422.7
AB152	2	326		6	0	0	46	60	0	264.3	2.1	26.8	11.8	442.4
AB152	2	328		6	0	0	46	60	0	26.1	24.5	31.2	7.6	243.2
AB152	2	330		6	0	0	46	60	0	50.1	30.4	31.4	7.5	237.9
AB152	2	332		6	0	0	46	60	0	60.7	34.9	32.1	7.9	244.4
AB152	2	334		6	0	0	46	60	0	62.4	35.4	32.3	8	246.5
AB152	2	336		6	0	0	46	60	0	58.7	32.9	34.1	8.1	236.9
AB152	2	338		6	0	0	46	60	0	45.2	32.1	31.4	8.7	276
AC160	134	0		2					0					
AC160	134	2		2					0					
AC160	134	4		2					0					
AC160	134	6		2					0					
AC160	134	8		2					0					
AC160	134	10		2					0					
AC160	134	12		2					0					
AC160	134	14		2					0					
AC160	134	15		2					0					
AC160	134	16		2					0					
AC160	134	18		2	0	0			0					
AC160	134	20		2	0	0			0	32.7	11.8	24.8	2.6	106
AC160	134	22		2	0	0	28	58	0	36.6	9.3	24.5	2.5	101.7
AC160	134	24		2	0	0	28	58	0	44.7	8.3	25.9	2.4	94
AC160	134	26		2	0	0	28	58	0	51.3	4.8	21.8	2.8	129.5
AC160	134	28		2	0	0	28	58	0	54.4	3.4	20	2.8	139
AC160	134	30	4.4	2	0	0	28	58	0	55.4	3.8	18.1	2.9	162.7
AC160	134	32		2	0	0	28	58	0	51.1	2.1	21	2.4	116.1
AC160	134	34		2	0	0	28	58	0	59.9	3.1	19.9	2.6	132.6
AC160	134	36		2	0	0	28	58	0	54.1	2.1	23.8	3.1	128.9
AC160	134	38		2	0	0	28	58	0	54.9	2.7	22.6	2.8	122.1
AC160	134	40		2	0	0	28	58	0	54.9	2.4	21.5	2.5	118.5
AC160	134	42	4.63	2	0	0	28	58	0	58.9	2.3	19	2.6	135.7
AC160	134	44		2	0	0	28	58	0	55.4	2.1	20	2.8	137.3
AC160	134	46		2	0	0	58	85	0	64.8	2.5	21.7	2.8	127.4
AC160	134	48		2	0	0	58	85	0	67.1	2.2	21.6	2.9	134.7
AC160	134	50		2	0	0	58	85	0	72.7	2.5	25.5	3	116.2
AC160	134	52		2	0	0	58	85	0	82.7	2.1	28.4	2.9	100.9
AC160	134	54	4.54	2	0	0	58	85	0	210.9	18.1	33.9	6.1	178.9
AC160	134	56		2	0	0	58	85	0	248.8	21.3	32.6	5.5	167.7

AC160	134	58		2	0	0	58	85	0	329.8	11.6	35.2	4	112.8
AC160	134	60	4.34	2	0	0	58	85	0	271.2	14.3	32.3	5.9	181.3
AC160	134	62		2	0	0	58	85	0	277.6	14.7	35.2	5.5	156.2
AC160	134	64		2	0	0	58	85	0	388.4	13.5	33.2	4.6	138
AC160	134	66	4.01	2	0	0	58	85	0	385.5	12.3	37.1	4.7	128
AC160	134	68		2	0	0	58	85	0	298.1	12.3	47.2	5.1	108.8
AC160	134	70		2	0	0	42	68	0	284.8	10.8	38.1	4.5	117.7
AC160	134	72		2	0	0	42	68	0	354.9	7.2	33.7	4.6	136.1
AC160	134	74		2	0	0	42	68	0					
AC160	134	76		2	0	0	42	68	0	306.6	12.8	27.7	5.7	204.4
AC160	134	78	3.53	2	0	0	42	68	0	357.4	8.4	25.4	4.2	164.8
AC160	134	80		2	0	0	42	68	0	316.3	10.1	28.5	5.3	185.6
AC160	134	82		2	0	0	42	68	0	421.5	12.1	29.1	6.4	220
AC160	134	84	5.4	2	0	0	42	68	0	480.1	12	24.9	5.8	232.3
AC160	134	86		2	0	0	42	68	0	537.2	15.1	26.5	6.2	235
AC160	134	88		2	0	0	42	68	0	583.6	12.6	24.7	4.9	197.3
AC160	134	90	1.73	2	0	0	42	68	0	352.5	11.4	25.2	4.8	190
AC160	134	92		2	0	0	42	68	0	414	10.5	25.3	4.5	177.8
AC160	134	94		2	0	0	42	68	0	365.2	8.6	24.8	4.2	169.8
AC160	134	96		2	0	0	42	68	0	371.3	10.5	24.5	5	204.8
AC160	134	98		2	0	0	50	80	0	320.7	12.8	26.9	6.1	225.5
AC160	134	100		2	0	0	50	80	0	299.6	9.7	25	5.4	215.4
AC160	134	102		2	0	0	50	80	0	352.3	8.6	25.6	5.4	210.2
AC160	134	104	1.25	2	0	0	50	80	0	344.5	10	25.5	6.4	252.1
AC160	134	106		2	0	0	50	80	0	433.2	7.5	25.3	4.6	182.8
AC160	134	108		2	0	0	50	80	0	251.8	9.9	22.6	5.4	241.1
AC160	134	110		2	0	0	50	80	0	252.4	10.4	23.7	5.3	224.3
AC160	134	112		2	0	0	50	80	0	334.6	7.7	24.6	4.6	187.4
AC160	134	114		2	0	0	50	80	0	249.5	9.9	23.8	5.1	216.3
AC160	134	116		2	0	0	50	80	0	193.5	9.3	25.5	5.8	227.9
AC160	134	118		2	0	0	50	80	0					
AC160	134	120	1.44	2	0	0	35	57	0	252.9	8	25.2	5.7	226.3
AC160	134	122		2	0	0	35	57	0					
AC160	134	124		2	0	0	35	57	0	309.3		25.9	6.3	242.6
AC160	134	126		2	0	0	35	57	0	288.5	6.7	24.6	5.1	206.6
AC160	134	128		2	0	0	35	57	0	212.8	7.6	28	7	250.8
AC160	134	130		2	0	0	35	57	0	169.5	6.5	27.5	5.6	203.1
AC160	134	132	0.99	2	0	0	35	57	0	166.9	9.1	26.5	6.9	261.4
AC160	134	134		2	0	0	35	57	0	191.4	7.1	24.6	6.3	255.9
AC160	134	136		2	0	0	35	57	0	132.2	7.1	22.9	6.8	298.1
AC160	134	138		5	1	0	35	57	0	200.3	5.5	26.8	6	223.1
AC160	135	140		5			35	57		88.1	10.3			219.6
AC160	135	142		5			35	57		151.2	17.2			214
AC160	135	144		5			35	57		102.3	13			188.2
AC160	135	146		5			35	57		111.1	12.4			203.7
AC160	135	148		5			35	57		90.9	11			218.2
AC160	135	150		5			35	57		88.7	13			222.6
AC160	135	152		5	0	0	35	57						
AC160	135	154		5	0	0	35	57						
AC160	135	156		5	0	0	35	57		101.4	9.5			200.7
AC160	135	158	1.8	5	0	0	35	57		90.6	9.8			160.3
AC160	135	160		5	0	0	35	57		78.3	9.9			200.3
AC160	135	162		5	0	0	35	57		41.2	4.8			248.1
AC160	135	164		5	0	0	35	57		36.4	6.1			300.8
AC160	135	166		4	0	0	35	57		44.6	2.9			308.5
AC160	135	168		4	0	0	72	140		40.5	1.9			263
AC160	135	170	2	3	0	0	72	140		46.3	1.5			251.9
AC160	135	172		3	0	0	72	140		47.3	1.3			232.5
AC160	135	174		3	0	0	72	140		86.5	2			204.8
AC160	135	176		3	0	0	72	140		95.2	1.4			252.3
AC160	135	178		3	0	0	72	140		108.9	1.9			227.1
AC160	135	180		3	0	0	72	140		135.1				184.3
AC160	135	182		3	0	0	72	140		122				205.7
AC160	135	184		3	0	0	72	140		113.8	1.4			208.5
AC160	135	186	1.37	3	0	0	72	140		140.5	1.3			241.5
AC160	135	188		3	0	0	72	140		202.8	2.3			254.5
AC160	135	190		3	0	0	77	110		254.2	2.8			283.8
AC160	135	192		3	0	0	77	110		49.1				52.9

AC160	135	194		3	0	0	77	110	0	49.1		103.2	5.5	52.9	
AC160	135	196	1.09	3	0	0	77	110	0	41.2	4.8	17.5	4.3	248.1	
AC160	135	198		3	0	0	77	110	0	78.3	9.9	18.7	3.8	200.3	
AC160	135	200		3	0	0	77	110	0	88.7	13	19.2	4.3	222.6	
AC160	135	202		3	0	0	77	110	0	90.6	9.8	20.3	3.3	160.3	
AC160	135	204		3	0	0	77	110	0	102.3	13	19.6	3.7	188.2	
AC160	135	206		3	0	0	77	110	0						
AC160	135	208	0.9	3	0	0	77	110	0	151.2	17.2	20.9	4.5	214	
AC160	135	210		3	0	0	77	110	0	135.1		21.3	3.9	184.3	
AC160	135	212		3	0	0	77	110	0	95.2	1.4	17.2	4.3	252.3	
AC160	135	214		3	0	0	87	119	0	101.4	9.5	20.2	4.1	200.7	
AC160	135	216		3	0	0	87	119	0	40.5	1.9	18	4.7	263	
AC160	135	218		3	0	0	87	119	0	90.9	11	19.4	4.2	218.2	
AC160	135	220	0.77	3	0	0	87	119	0	47.3	1.3	15.7	3.6	232.5	
AC160	135	222		3	1	0	87	119	0	86.5	2	18.9	3.9	204.8	
AC160	135	224		3	1	0	87	119	0						
AC160	135	226		3	1	0	87	119	0	111.1	12.4	18	3.7	203.7	
AC160	135	228		3	1	0	87	119	0	202.8	2.3	18.8	4.8	254.5	
AC160	135	230		3	0	0	87	119	0	108.9	1.9	17.9	4.1	227.1	
AC160	135	232		3	0	0	87	119	0	44.6	2.9	17	5.2	308.5	
AC160	135	234		3	0	0	87	119	0	88.1	10.3	19	4.2	219.6	
AC160	135	236		3	0	0	87	119	0	113.8	1.4	19.8	4.1	208.5	
AC160	135	238		3	0	0	40	67	0	140.5	1.3	18.9	4.6	241.5	
AC160	135	240	0.85	3	0	0	40	67	0	254.2	2.8	17.2	4.9	283.8	
AC160	135	242		3	0	0	40	67	0	36.4	6.1	15.6	4.7	300.8	
AC160	135	244		3	0	0	40	67	0	122		18.9	3.9	205.7	
AC160	135	246		3	0	0	40	67	0	125.2	8.9	20.1	2.6	128.1	
AC160	135	248		3	0	0	40	67	0	139.9	9.1	19.2	2.9	148.3	
AC160	135	250		3	0	0	40	67	0	130.6	8.2	21.6	3	138.7	
AC160	135	252	0.44	3	0	0	40	67	0	122	7	20.7	2.8	133.9	
AC160	135	254		3	0	0	40	67	0	120.7	7.8	24.3	3	123.9	
AC160	135	256		3	0	0	40	67	0	124.1	8	24.1	3	126	
AC160	135	258					40	67	0						
AC160	135	260					40	67	0						
AC160	135	262					39	65	0	201.6	7.1	25.6	3.3	127	
AC160	135	264	0.63				39	65	0	310.8	7.2	22.7	3.3	146.8	
AC160	135	266					39	65	0	132	7	25.6	2.4	92.3	
AC160	135	268					39	65	0	111.8	7	27.7	2.8	99.4	
AC160	135	270					39	65	0	106	6.2	25.8	3	115.1	
AC160	135	272					39	65	0	104.5	6.7	22.5	2.8	126.4	
AC160	135	274					39	65	0	107.3	6.1	26.2	2.8	105.4	
AC160	135	276	0.66				39	65	0	147.7	6.9	22.2	2.9	131.8	
AC160	135	278					39	65	0						
AC160	135	280					39	65	0						
AC160	135	282					39	65	0						
AC160	135	284					39	65	0	109.3	6.9	19.4	3.2	162.8	
AC160	135	286					37	63	0	106.8	7.7	17.5	3	170.7	
AC160	135	288	0.77				37	63	0	122.2	6.1	20.4	2.7	131.3	
AC160	135	290					37	63	0	124.4	7.3	21.5	3.1	143.8	
AC160	135	292					37	63	0	136.5	6.6	20	2.9	146.2	
AC160	135	294					37	63	0	157.4	7	21.8	2.9	132.9	
AC160	135	296					37	63	0	169.3	5.4	22	4.8	219.4	
AC160	135	298					37	63	0	135.4	6.2	19.9	3.6	182.1	
AC160	135	300	0.94				37	63	0	205.7	6.4	20	3.8	191.8	
AC160	135	302					37	63	0	187	10.7	23	5.4	236.7	
AC160	135	304					37	63	0						
AC160	135	306					37	63	0						
AC160	135	308					37	63	0						
AC160	135	310					54	93	0						
AC160	135			3	0	0	40	67	0	98.4	17.1	21.8	4	183.1	
AC160	135			3	0	0	39	65	0	89.9	15	22	4	182.4	
AC160	135			3	0	0	37	63	0	104.6	13.4	23.2	3.7	157.5	
AC160	135			3	0	0	37	63	0	107.2	13	21	3.9	186.9	
AC160	135			3	0	0	37	63	0	99	12.3	23.8	4.5	189.4	
AC160	135			3	0	0	37	63	0	135.2	13.4	21.3	3.8	177.7	
AC160	135			3	0	0	37	63	0	164.9	10.7	19.3	4.2	215.9	
AC160	135			3	0	0	37	63	0	103.6	12.6	19.9	3.8	192.5	
AC160	135			3	0	0	39	65	0	100.1	10.5	18.8	4.2	222.9	

AC160	135			3	0	0	39	65	0	46.3	1.5	16.4	4.1	251.9
AC160	135			3	0	0	37	63	0	184.3	7.4	20.3	3.8	186.5
AC160	135			3	0	0	39	65	0					
AC160	135			3	0	0	37	63	0					
AC160	135			3	0	0	39	65	0	1036.7	14.3	27.8	7.4	267
AC160	135			3	0	0	39	65	0					
AC160	135			3	0	0	37	63	0					
AC160	135			3	0	0	37	63	0					
AC160	135			3	0	0	40	67	0					
AC160	135			3	0	0	39	65	0					
AC160	135			3	0	0	39	65	0					
AC160	135			3	0	0	54	93	0	211.9	30.3	21.9	3.2	147.1
AC160	135			3	0	0	37	63	0	169.2	22.8	20.9	2.7	130.4
AC160	135			3	0	0	37	63	0	151.6	22.2	23	3	129
AC160	135			3	0	0	39	65	0	129.2	14.4	22	3.1	139.2
AC160	135			3	0	0	39	65	0	128.8	13.4	19.6	2.7	138.2
AC160	135			3	0	0	39	65	0	137.6	12.1	19.4	2.8	144.4
AC160	135			3	1	0	39	65	0	127.8	9.7	20.3	2.8	136.7
AC160	136	0		2					0					
AC160	136	2		2					0					
AC160	136	4		2					0					
AC160	136	6		2					0					
AC160	136	8		2					0					
AC160	136	10		2					0					
AC160	136	12		2					0					
AC160	136	14		2					0					
AC160	136	15		2					0					
AC160	136	16		2					0					
AC160	136	18		2	0	0			0					
AC160	136	20		2	0	0			0	55.8	55.9	17	5.3	309.7
AC160	136	22		2	0	0			0	63.3	53.1	18.8	3.9	206.9
AC160	136	24	1.97	2	0	0			0	56	46.4	17.5	3.3	189.3
AC160	136	26		2	0	0			0	77.4	40.6	18.1	3.4	187.8
AC160	136	28		2	0	0			0	69.7	36.4	16.2	3.5	214
AC160	136	30		2	0	0			0	37.5	35.4	13	3.6	273.8
AC160	136	32		2	0	0			0	97.1	33.5	14.3	2.8	195.7
AC160	136	34		2	0	0			0	31.5	38.3	14.5	2.5	175.1
AC160	136	36	1.14	2	0	0			0	33.1	37.5	15.7	3.4	213.1
AC160	136	38		2	0	0			0	37.2	33.8	18.4	3	163
AC160	136	40		2	0	0			0	85.6	33.4	17.3	2.7	154.8
AC160	136	42		2	0	0			0	69.6	28.5	14.8	2.6	174.2
AC160	136	44		2	0	0			0	64.3	31.2	15	2.9	195.1
AC160	136	46		2	0	0	58	85	0	75.5	28.5	15.2	2.6	171.3
AC160	136	48	0.95	2	0	0	58	85	0	52.1	25.7	14.1	2.9	204.7
AC160	136	50		2	0	0	58	85	0	65.7	25.3	15.5	2.8	183.9
AC160	136	52		2	0	0	58	85	0	63.4	29	16.5	3.1	189.8
AC160	136	54		2	0	0	58	85	0	43.4	17.1	23.3	5.7	242.9
AC160	136	56		2	0	0	58	85	0	33.1	18.5	21.3	4.4	206.8
AC160	136	58		2	0	0	58	85	0	55.4	18.3	22.9	5.3	231
AC160	136	60	1.18	2	0	0	58	85	0	48.1	20.4	20.4	5.4	266.1
AC160	136	62		2	0	0	58	85	0	50	20.6	20.5	5.1	249.8
AC160	136	64		2	0	0	58	85	0	41.9	17.5	22.7	3.7	161.8
AC160	136	66		2	0	0	58	85	0	40.6	16.3	20.7	4.1	196.6
AC160	136	68		2	0	0	58	85	0	27.3	15.2	21	3.5	165.7
AC160	136	70		2	0	0	53	93	0	61.6	12.9	24.7	3.9	159.4
AC160	136	72	0.89	2	0	0	53	93	0	53.7	11.8	21.7	5.1	236.4
AC160	136	74		2	0	0	53	93	0	67.5	14.2	17.9	4.9	273.3
AC160	136	76		2	0	0	53	93	0	56	13.4	17.7	5	285
AC160	136	78		2	0	0	53	93	0	54.9	11.9	17.7	4.7	263.3
AC160	136	80		2	0	0	53	93	0	78.6	13.9	17.2	4.8	280.3
AC160	136	82		2	0	0	53	93	0	69.2	10.9	16.6	5.4	324.2
AC160	136	84	0.83	2	0	0	53	93	0	94	12.2	16.6	4.8	289.2
AC160	136	86		2	0	0	53	93	0	44.5	10.2	16.9	4.8	281.5
AC160	136	88		2	0	0	53	93	0	54.7	10.5	16.1	4.1	253.8
AC160	136	90		2	0	0	53	93	0	50.6	11.3	16	4.2	261.1
AC160	136	92		2	0	0	53	93	0	69.4	9.7	16.1	3.9	242.3
AC160	136	94		2	0	0	53	93	0	107.3	9.9	17	4.5	265.2
AC160	136	96	0.66	2	0	0	53	93	0	60.8	9.5	17	5.6	326.4

AC160	136	98		2	0	0	59	102	0	49.2	10.8	16.5	4.9	294.8
AC160	136	100		2	0	0	59	102	0	54	7.9	17.4	5	286.5
AC160	136	102		2	0	0	59	102	0	95.2	8.3	18.2	4.7	256.4
AC160	136	104		2	0	0	59	102	0	66.4	9	19	5.4	283.3
AC160	136	106		2	0	0	59	102	0	61.4	8.8	16.8	4.9	289.3
AC160	136	108	0.9	2	0	0	59	102	0	90	7.8	16.4	4.7	289.3
AC160	136	110		2	0	0	59	102	0	107.7	8.1	16.7	4.3	257.8
AC160	136	112		2	0	0	59	102	0	101.6	9.1	17.2	4.7	275.3
AC160	136	114		2	0	0	59	102	0	43.2	6.8	17.2	4.3	249.5
AC160	136	116		2	0	0	59	102	0	50.3	7.6	17.3	4.3	249.8
AC160	136	118		2	0	0	59	102	0					
AC160	136	120	0.88	2	0	0	65	107	0	77.1	6.1	17.5	4.9	278.5
AC160	136	122		2	0	0	65	107	0					
AC160	136	124		2	0	0	65	107	0	72.8	7.5	18.1	5.3	290.8
AC160	136	126		2	0	0	65	107	0	56.7	6	19	5.3	280
AC160	136	128		2	0	0	65	107	0	58.4	5.4	19	5.2	274.7
AC160	136	130		2	0	0	65	107	0	86.5	6	19.1	4.5	235.8
AC160	136	132	0.89	2	0	0	65	107	0	80.2	6.7	17	4.6	269.7
AC160	136	134		2	0	0	65	107	0	52	6.3	18.2	3.7	202.1
AC160	136	136		2	0	0	65	107	0	26.6	5.8	17.6	4.4	250.7
AC160	136	138		5	1	0	65	107	0	49.7	4.1	27.7	7.7	278.3
AC160	136	140		5			65	107	0	50.7	3.9	26.6	7.2	270
AC160	136	142		5			65	107	0	27.4	2.9	27.6	7.6	274
AC160	136	144		5			65	107	0	53.5	3.4	28.9	7.9	271.8
AC160	136	146		5			65	107	0	39.8	1.7	27.9	6.8	243.3
AC160	136	148		5			65	107	0	30.2	4	26.6	6.9	259.1
AC160	136	150	0.77	5			65	107	0					
AC160	136	152		5	0	0	65	107	0					
AC160	136	154		5	0	0	65	107	0	34.3	12.8	27.7	6.5	233.3
AC160	136	156		5	0	0	65	107	0	38.7	2	20.5	5	245.3
AC160	136	158		5	0	0	65	107	0	28.1	1.4	22.1	4.5	204.2
AC160	136	160		5	0	0	65	107	0	36.3	1.4	22.5	5.2	229.8
AC160	136	162	1.03	5	0	0	65	107	0	58.9	1	21.4	5.5	255.6
AC160	136	164		5	0	0	65	107	0	47.2	1.1	24.7	6.6	266.4
AC160	136	166		4	0	0	65	107	0	51.1	12.3	20.8	5.3	255.2
AC160	136	168		4	0	0	158	216	0		1.7			
AC160	136	170		3	0	0	158	216	0	70.4		566.7	7.6	13.4
AC160	136	172	0.84	3	0	0	158	216	0					
AC160	136	174		3	0	0	158	216	0					
AC160	136	176		3	0	0	158	216	0	33.1			1.1	
AC160	136	178		3	0	0	158	216	0					
AC160	136	180		3	0	0	158	216	0					
AC160	136	182		3	0	0	158	216	0					
AC160	136	184	0.74	3	0	0	158	216	0					
AC160	136	186		3	0	0	158	216	0					
AC160	136	188		3	0	0	158	216	0					
AC160	136	190		3	0	0	221	342	0					
AC160	136	192		3	0	0	221	342	0					
AC160	136	194	0.93	3	0	0	221	342	0					
AC160	136	196		3	0	0	221	342	0					
AC160	136	198		3	0	0	221	342	0					
AC160	136	200		3	0	0	221	342	0					
AC160	136	202		3	0	0	221	342	0					
AC160	136	204		3	0	0	221	342	0					
AC160	136	206		3	0	0	221	342	0					
AC160	136	208		3	0	0	221	342	0					
AC160	136	210		3	0	0	221	342	0	54.1	4.6	25.3	7	274.8
AC160	136	212		3	0	0	221	342	0					
AC160	136	214		3	0	0	210	278	0					
AC160	136	216		3	0	0	210	278	0					
AC160	136	218		3	0	0	210	278	0	154.8	87.7	92	14.9	162.4
AC160	136	220		3	0	0	210	278	0	293.8	25.6	35.2	11.9	337.5
AC160	136	222		3	1	0	210	278	0	102.1	4	27.6	7.9	287.2
AC160	136	224		3	1	0	210	278	0	51	4.9	28.1	7.3	259.3
AC160	136	226		3	1	0	210	278	0	35.2	3.4	26.5	7.4	280.1
AC160	136	228		3	1	0	210	278	0	31.3	3.1	25.5	7.3	285
AC160	136	230		3	0	0	210	278	0	49	2.7	24.8	6.6	268.4
AC160	136	232		3	0	0	210	278	0	31.8	3.2	27.5	7.3	263.7

AC160	136	234		3	0	0	210	278	0	62.2	4.3	18.7	4.3	227
AC160	137	236		3	0	0	210	278	0					
AC160	137	238		3	0	0	210	278	0					
AC160	137	240		3	0	0	210	278	0	49.7	50	23.3	4.2	178.4
AC160	137	242		3	0	0	210	278	0	55.4	41.9	24.4	4.4	181.6
AC160	137	244	13.92	3	0	0	210	278	0	64.8	25.5	24.7	4.1	165.1
AC160	137	246		3	0	0	210	278	0	79.2	24.7	26.1	5	191.4
AC160	137	248		3	0	0	210	278	0	102	24.1	30.4	6.5	213.9
AC160	137	250		3	0	0	210	278	0	122.1	25.4	32.5	7.2	220.6
AC160	137	252		3	0	0	210	278	0	113.6	20	32.6	6.9	210.4
AC160	137	254		3	0	0	210	278	0	145.9	20.6	30.5	7	230.8
AC160	137	256	5.2	3	0	0	210	278	0	148.8	19.4	32.6	8.3	253.8
AC160	137	258		3	0	0	210	278	0	106.7	17.4	28.7	6.4	224.2
AC160	137	260		3	0	0	210	278	0	108.8	14.5	30.5	6.5	212.4
AC160	137	262		3	0	0	154	218	0	104.7	14.2	23.2	5.2	225.6
AC160	137	264		3	0	0	154	218	0	109.3	10.3	24.4	5.5	226.5
AC160	137	266		3	0	0	154	218	0	109.3	10.5	23.7	5.4	228.7
AC160	137	268		3	0	0	154	218	0	93.3	11	28.7	5.7	197.4
AC160	137	270		3	0	0	154	218	0					
AC160	137	272		3	0	0	154	218	0					
AC160	137	274		3	1	0	154	218	0	92.8	11.1	26.8	4.5	169.7
AC160	137	276		3	0	0	154	218	0	104.1	9	25.6	5	194.7
AC160	137	278		3	0	0	154	218	0	97.5	8.7	25.8	5.1	197.2
AC160	137	280	2.2	3	0	0	154	218	0	118.1	10	24.4	6.2	254.1
AC160	137	282		3	0	0	154	218	0	126.9	9.9	22.9	5.1	223.4
AC160	137	284		3	0	0	154	218	0	82.4	13	26.1	4.6	176.5
AC160	137	286		3	0	0	84	179	0	77.2	6.6	28.4	4.5	156.8
AC160	137	288		3	0	0	84	179	0	70.6	6.4	27.5	4.1	150.7
AC160	137	290		3	0	0	84	179	0	108.4	6.3	26.4	4.6	173.1
AC160	137	292	1.4	3	0	0	84	179	0	81.7	7	26.8	4.5	169.1
AC160	137	294		3	0	0	84	179	0	80.6	5.8	27.7	4.4	158.3
AC160	137	296		3	0	0	84	179	0	77.5	5.8	29.9	3.7	124
AC160	137	298		3	0	0	84	179	0	101	7.2	28.9	4.1	141.3
AC160	137	300		3	0	0	84	179	0	120.9	6.7	32	4.4	139
AC160	137	302		3	0	0	84	179	0	96.7	7.7	28.5	4.9	172.7
AC160	137	304	1.07	3	0	0	84	179	0	83.5	6.6	25.8	5	193.4
AC160	137	306		3	0	0	84	179	0	81.1	7.4	25.7	4.6	177.5
AC160	137	308		3	0	0	84	179	0	69	7.4	24.2	4.9	200.6
AC160	137	310		3	0	0	127	184	0	72.4	7.8	22.2	4.7	213.2
AC160	137	312		3	0	0	127	184	0	75.5	7.4	23.5	4.9	208.2
AC160	137	314		3	0	0	127	184	0	86.9	7.8	20.8	4.6	221.2
AC160	137	316	1.11	3	0	0	127	184	0					
AC160	137	318		3	0	0	127	184	0	138.9	11.6	27.2	9.2	337.3
AC160	137	320		3	0	0	127	184	0	190.6	22.3	24.9	6.6	264.6
AC160	137	322		3	0	0	127	184	0	135.9	11.2	23.2	5.7	245
AC160	137	324		3	0	0	127	184	0	137.9	9.5	24.2	5.9	244.4
AC160	137	326		3	0	0	127	184	0	130.1	8.4	24.6	5.8	235.1
AC160	137	328	1.35	3	0	0	127	184	0	123.2	8.7	25.2	6.4	251.7
AC160	137	330		3	0	0	127	184	0	106	10.8	24.1	6.4	264.8
AC160	137	332		3	0	0	127	184	0	100	9.9	22.3	5.3	237.1
AC160	137	334		3	0	0	131	192	0	103.6	9.2	22.8	6.1	267.9
AC160	137	336		3	0	0	131	192	0	109.2	7.8	26.7	5.5	207.4
AC160	137	338		3	0	0	131	192	0	110.1	8.5	24.5	5.3	215.3
AC160	137	340		3	0	0	131	192	0	119.6	9.2	22.6	5.1	223.4
AC160	137	342		3	0	0	131	192	0	115.6	8.4	24.2	5.5	227.4
AC160	137	344		3	0	0	131	192	0	131.5	8.2	21.4	4.9	231
AC160	137	346		3	0	0	131	192	0	90.3	31.5	26.4	7.8	294.6
AC160	137	348		3	0	0	131	192	0	52.3	32.9	23.9	9.3	388.7
AC160	137	350		3	0	0	131	192	0	63.4	30.4	22.3	9.4	422.6
AC160	137	352		3	0	0	131	192	0	50.4	22.2	23.5	8.7	370.8
AC160	137	354		3	0	0	131	192	0	57.2	25.2	21.2	8.4	397.9
AC160	137	356		3	0	0	131	192	0	49.4	20.3	24	8.6	357.4
AC160	137	358		3	0	0	109	168	0	46.1	22.1	18.5	5.5	296
AC160	137	360		3	0	0	109	168	0	44.7	27.2	23.4	7.1	305
AC160	137	362		3	0	0	109	168	0	47.1	24.3	22	7.1	322.8
AC160	137	364		3	0	0	109	168	0	27.7	83.1	22.4	8.2	364.7
AC160	137	366		3	1	0	109	168	0	295.3	496.2	137.7	13.2	96.1
AC160	137	368		3	0	0	109	168	0	80.2	10.5	27.4	4.7	171.8

AC160	137	370	3	1	0	109	168	0	40	52.3	22.1	7.1	320.6
AC160	137	372	3	1	0	109	168	0	33.9	73.4	23.5	8.3	352.6
AC160	137	374	3	1	0	109	168	0	94.6	94.1	42.4	12.1	285.7
AC160	137	376	3	1	0	109	168	0	77.7	84.7	34.8	12	345.3
AC160	137	378	3	1	0	109	168	0	64.4	82.3	35.7	12	336
AC160	137	380	3	1	0	109	168	0	69.6	96.3	37.7	12.1	322.5
AC160	137	382	3	0	0	109	168	0	111.5	274.1	90.8	14.6	160.5
AC160	137	384	8	1	0	109	168	0	373.2	605.4	204.7	13.6	66.5
AI157	179	0						0					
AI157	179	2						0					
AI157	179	4	4					0					
AI157	179	6	4					0					
AI157	179	8	4					0					
AI157	179	10	4					0					
AI157	179	12	4	0	0			0					
AI157	179	14	4	0	0			0					
AI157	179	16	4	0	0			0					
AI157	179	18	4	0	0			0					
AI157	179	20	4	0	0			0					
AI157	179	22	4	0	0			0					
AI157	179	24	4	0	0			0					
AI157	179	26	4	0	0			0					
AI157	179	28	4	0	0	90	138	0					
AI157	179	30	4	0	0	90	138	0					
AI157	179	32	4	0	0	90	138	0					
AI157	179	34	4	0	0	90	138	0					
AI157	179	36	4	0	0	90	138	0					
AI157	179	38	4	0	0	90	138	0					
AI157	179	40	4	0	1	77	132	0					
AI157	179	42	4	1	0	77	132	0					
AI157	179	44	4	1	1	77	132	0					
AI157	179	46	4	0	0	77	132	0					
AI157	179	48	4	1	1	77	132	0					
AI157	179	50	4	0	0	77	132	0					
AI157	179	52	4	0	0	77	132	0					
AI157	179	54	4	0	0	77	132	0					
AI157	179	56	4	1	0	77	132	0					
AI157	179	58	4	1	0	77	132	0					
AI157	179	60	4	1	0	77	132	0					
AI157	179	62	4	1	0	77	132	0					
AI157	179	64	4	0	0	77	132	0					
AI157	179	66	4	0	0	77	132	0					
AI157	179	68	4	0	0	77	132	0					
AI157	179	70	4	0	0	77	132	0					
AI157	179	72	4	0	0	77	132	0					
AI157	179	74	4	0	0	77	132	0					
AI157	179	76	4	0	0	77	132	0					
AI157	179	78	4	0	0	77	132	0					
AI157	179	80	4	0	0	77	132	0					
AI157	179	82	4	0	0	77	132	0					
AI157	179	84	4	0	0	77	132	0					
AI157	179	86	4	0	0	77	132	0					
AI157	179	88	4	0	0	77	132	0					
AI157	179	90	4	0	0	77	132	0					
AI157	179	92	4	0	0	32	77	0					
AI157	179	94	4	0	0	32	77	0					
AI157	179	96	4	0	0	32	77	0					
AI157	179	98	4	0	0	32	77	0					
AI157	179	100	4	1	0	32	77	0					
AI157	179	102	4	0	0	32	77	0					
AI157	179	104	4	1	0	32	77	0					
AI157	179	106	4	1	0	32	77	0					
AI157	179	108	4	0	0	32	77	0					
AI157	179	110	4	0	0	32	77	0					
AI157	179	112	4	0	0	79	142	0					
AI157	179	114	4	0	0	79	142	0					
AI157	179	116	4	1	1	79	142	0					
AI157	179	118	4	0	0	79	142	0					

Al157	179	120			4	0	0	79	142	0							
Al157	179	122			4	0	0	79	142	0							
Al157	179	124			4	0	0	79	142	0							
Al157	179	126			4	0	0	79	142	0							
Al157	179	128			4	0	0	79	142	0							
Al157	179	130			4	0	0	79	142	0	68.5	142.9	34.5	3.6	104.5		
Al157	179	132			4	0	0	79	142	0	91.2	126.3	32.6	5	152.4		
Al157	179	134			4	0	0	79	142	0	95.5	84.6	33.6	4.8	142.1		
Al157	179	136			4	0	0	52	112	0	97.3	70.6	34.5	5.1	149.1		
Al157	179	138			4	0	0	52	112	0	115.6	54.1	40	6.3	157		
Al157	179	140			4	1	1	52	112	0	256.9	105.7	60.8	8.8	144		
Al157	179	142			4	0	0	52	112	0	334.8	42.5	27.9	6.2	220.7		
Al157	179	144			4	0	0	52	112	0	194.3	39.1	28.8	5.3	182.8		
Al157	179	146			4	0	0	52	112	0	210.4	39.7	28.4	6.1	213.8		
Al157	179	148			4	0	0	52	112	0	211.1	39.9	25.4	5.5	214.3		
Al157	179	150			4	0	0	52	112	0	276.5	40.2	27.9	6.4	228.4		
Al157	179	152			4	0	0	52	112	0							
Al157	179	154			4	0	0	52	112	0							
Al157	179	156			4	0	0	52	112	0							
Al157	179	158	25.82	8885.55	4	0	0	52	112	0							
Al157	179	160			4	0	0	78	148	0	153.5	28.3	28.8	5.2	180.3		
Al157	179	162			4	0	0	78	148	0	216.9	29.9	20.7	5	243.8		
Al157	179	164			4	0	0	78	148	0	255.7	22.7	38.7	8.5	220.5		
Al157	179	166			4	0	0	78	148	0							
Al157	179	168			4	0	0	78	148	0	393.9	36.5	32.7	6.5	198.4		
Al157	179	170			4	0	0	78	148	0	486.6	30.7	24	7	290.9		
Al157	179	172			4	0	0	78	148	0	369	29	22.1	5.5	250.2		
Al157	179	174			4	0	0	78	148	0	238.2	27.8	20.2	4.8	235.9		
Al157	179	176			4	0	0	78	148	0	171.8	27.6	17.8	4.9	272.6		
Al157	179	178			4	0	0	78	148	0	116.5	26.2	19.3	4.5	234.3		
Al157	179	180			4	0	0	78	148	0	130.9	25.5	22	5.1	233.6		
Al157	179	182			4	0	0	78	148	0	131.9	24.4	22.2	5	222.8		
Al157	179	184	4.52	1670.18	4	0	0	82	136	0	168.9	26.7	25.4	6.5	256.5		
Al157	179	186			4	0	0	82	136	0	180.3	24.6	33.3	7.1	212.2		
Al157	179	188			4	0	0	82	136	0	306.6	28.4	30.2	6.8	226.8		
Al157	179	190			4	0	0	82	136	0	273.2	26.8	25.7	6.8	262.6		
Al157	179	192			4	0	0	82	136	0	239	28.2	25.9	7.7	295.9		
Al157	179	194			4	0	0	82	136	0	274	26.3	28.4	7.8	272.9		
Al157	179	196			4	0	0	82	136	0	185.5	22.5	22.3	6.5	292.3		
Al157	179	198			4	0	0	82	136	0	417.1	19.2	26.4	9.9	377		
Al157	179	200			4	0	0	82	136	0	308	12.6	25.8	9	348.1		
Al157	179	202			4	0	0	82	136	0	195.2	9.9	25	8.3	332.3		
Al157	179	204			4	0	0	82	136	0	157.3	9	29	9	312		
Al157	179	206			4	0	0	82	136	0	275.4	9.2	30.1	11.7	390		
Al157	179	208	3.45	504.84	4	0	0	90	140	0	273.8	8.7	25.9	9.5	365.1		
Al157	179	210			4	0	0	90	140	0	212.5	9.2	31.3	10.4	332.3		
Al157	179	212			4	0	0	90	140	0	165.8	7.9	28	8	285.9		
Al157	179	214			4	0	0	90	140	0	108.3	6.7	21	6.5	309.2		
Al157	179	216			4	0	0	90	140	0	80.1	5.7	31.5	6.8	215.3		
Al157	179	218			4	0	0	90	140	0	70	5.2	26.6	7.2	271.7		
Al157	179	220			4	0	0	90	140	0	70.3	3.9	26.6	7.5	281		
Al157	179	222			4	0	0	90	140	0	72.3	3.1	25.9	7.3	281.5		
Al157	179	224			4	0	0	90	140	0	65.9	2.8	23.5	6.6	282.9		
Al157	179	226			4	0	0	90	140	0	56.8	2.6	23.9	6.7	280.3		
Al157	179	228			4	0	0	90	140	0	62.2	2.7	27.9	7	251.7		
Al157	179	230			4	0	0	90	140	0	52.5	2.1	25.5	6.4	252.3		
Al157	179	232	1.68	37.02	4	0	0	90	140	0	56.2	2.1	26.3	6.7	255.7		
Al157	179	234			4	0	0	90	140	0	93.1	1	31.4	8.8	281.3		
Al157	179	236			4	0	0	90	140	0	135.8	3.6	32.2	9	278.1		
Al157	179	238			4	0	0	90	140	0	144.6	1	26.7	8.5	320.3		
Al157	179	240			4	0	0	87	141	0	158.6	1	24.9	7.1	286.1		
Al157	179	242			4	0	0	87	141	0	171.3	2.7	27.1	7.7	286.2		
Al157	179	244			4	0	0	87	141	0	177.5	3.3	23	8.1	350.8		
Al157	179	246			4	0	0	87	141	0	399.7	1.9	22.3	9.4	422.3		
Al157	179	248			4	0	0	87	141	0	477.8	1	21.5	8.9	416		
Al157	179	250			4	0	0	87	141	0	603.3	2	22.5	8.7	386		
Al157	179	252			4	0	0	87	141	0	464.9	2.8	21.9	8.8	399.6		
Al157	179	254			4	0	0	87	141	0	557.1	1	21.1	8.7	409.7		

AI157	179	256	1.13	62	4	0	0	87	141	0	582.9	3.9	21	8.3	396.7
AI157	179	258			4	0	0	87	141	0	582.4	1.8	20.7	8.9	429.2
AI157	179	260			4	0	0	113	170	0	593.9	2.2	20.7	9	436.8
AI157	179	262			4	0	0	113	170	0	566.4	2.3	20.2	8.6	427
AI157	179	264			4	0	0	113	170	0	756	1	20.1	8.5	423.5
AI157	179	266			4	0	0	113	170	0					
AI157	179	268			4	0	0	113	170	0					
AI157	179	270			4	0	0	113	170	0					
AI157	179	272			4	0	0	113	170	0					
AI157	179	274			4	0	0	113	170	0					
AI157	179	276			4	0	0	113	170	0					
AI157	179	278			4	0	0	101	177	0					
AI157	179	280	1.7	24.82	4	0	0	101	177	0					
AI157	179	282			4	0	0	101	177	0					
AI157	179	284			4	0	0	109	203	0					
AI157	179	286			4	0	0	109	203	0					
AI157	179	288			4	0	0	109	203	0					
AI157	179	290			4	0	0	109	203	0	151.6	24	22.5	6	268.5
AI157	179	292			4	0	0	109	203	0	298.4	23.4	42.5	11.1	261.8
AI157	179	294			4	0	0	109	203	0	162	1	25.8	8.9	345.1
AI157	179	296			4	0	0	109	203	0	158.7	1	24.7	8.1	328.1
AI157	179	298			4	0	0	109	203	0	154.6	2.3	23	7.4	321.3
AI157	179	300			4	0	0	109	203	0	138.3	2.3	22.9	8.1	354.6
AI157	179	302			4	0	0	59	99	0	70.2	1.6	211.5	4.5	21.3
AI157	179	304			4	0	0	59	99	0	373.1	2.2	23	9.6	415.3
AI157	179	306			4	0	0	59	99	0	460.7	1.3	19.8	7.9	400.1
AI157	179	308			4	0	0	59	99	0	352.8	1.7	20.3	8.6	422.8
AI157	180	0			4					0					
AI157	180	2			4					0					
AI157	180	4			4					0					
AI157	180	6			4					0					
AI157	180	8			4					0					
AI157	180	10			4					0					
AI157	180	12			4	0	0			0					
AI157	180	14			4	0	0			0					
AI157	180	16			4	0	0			0					
AI157	180	18			4	0	0			0					
AI157	180	20			4	0	0			0					
AI157	180	22			4	0	0			0					
AI157	180	24			4	0	0			0					
AI157	180	26			4	0	0			0					
AI157	180	28			4	0	0	56	86	0					
AI157	180	30			4	0	0	56	86	0					
AI157	180	32			4	0	0	56	86	0					
AI157	180	34			4	0	0	56	86	0					
AI157	180	36			4	0	0	56	86	0					
AI157	180	38			4	0	0	69	108	0					
AI157	180	40			4	0	1	69	108	0					
AI157	180	42			4	1	0	69	108	0					
AI157	180	44			4	1	1	69	108	0					
AI157	180	46			4	0	0	69	108	0					
AI157	180	48			4	1	1	69	108	0					
AI157	180	50			4	0	0	69	108	0					
AI157	180	52			4	0	0	69	108	0					
AI157	180	54			4	0	0	69	108	0					
AI157	180	56			4	1	0	69	108	0					
AI157	180	58			4	1	0	69	108	0					
AI157	180	60			4	1	0	69	108	0					
AI157	180	62			4	1	0	69	108	0					
AI157	180	64			4	0	0	58	103	0					
AI157	180	66			4	0	0	58	103	0					
AI157	180	68			4	0	0	58	103	0					
AI157	180	70			4	0	0	58	103	0					
AI157	180	72			4	0	0	58	103	0					
AI157	180	74			4	0	0	58	103	0					
AI157	180	76			4	0	0	58	103	0					
AI157	180	78			4	0	0	58	103	0					
AI157	180	80			4	0	0	58	103	0					

Al157	180	82			4	0	0	58	103	0						
Al157	180	84			4	0	0	58	103	0						
Al157	180	86			4	0	0	58	103	0						
Al157	180	88			4	0	0	58	103	0						
Al157	180	90			4	0	0	58	103	0						
Al157	180	92			4	0	0	70	112	0						
Al157	180	94			4	0	0	70	112	0						
Al157	180	96			4	0	0	70	112	0						
Al157	180	98			4	0	0	70	112	0						
Al157	180	100			4	1	0	70	112	0						
Al157	180	102			4	0	0	70	112	0						
Al157	180	104			4	1	0	70	112	0						
Al157	180	106			4	1	0	70	112	0						
Al157	180	108			4	0	0	70	112	0						
Al157	180	110			4	0	0	70	112	0						
Al157	180	112			4	0	0	64	116	0						
Al157	180	114			4	0	0	64	116	0						
Al157	180	116			4	1	1	64	116	0						
Al157	180	118			4	0	0	64	116	0						
Al157	180	120			4	0	0	64	116	0						
Al157	180	122			4	0	0	64	116	0						
Al157	180	124			4	0	0	64	116	0						
Al157	180	126			4	0	0	64	116	0						
Al157	180	128			4	0	0	64	116	0						
Al157	180	130			4	0	0	64	116	0	90.6	198.4	37.7	3	78.8	
Al157	180	132			4	0	0	64	116	0	78.6	154.3	30.5	2.9	96.3	
Al157	180	134			4	0	0	64	116	0	84.3	103.8	30.8	2.5	82.2	
Al157	180	136			4	0	0	47	83	0	105.8	87	28.6	3.4	118.9	
Al157	180	138			4	0	0	47	83	0	133.7	74	24.9	3.7	148.7	
Al157	180	140			4	1	1	47	83	0	145	58	27.8	3.5	127.3	
Al157	180	142			4	0	0	47	83	0	165.1	49.1	23.3	3.2	138.8	
Al157	180	144			4	0	0	47	83	0	183.2	46.3	25.4	3.4	132.8	
Al157	180	146			4	0	0	47	83	0	191.7	42.5	21.4	3.7	171.1	
Al157	180	148			4	0	0	47	83	0	177	36.2	18.1	2.8	154.5	
Al157	180	150			4	0	0	47	83	0	180.1	35.1	20.9	3.2	154.4	
Al157	180	152			4	0	0	47	83	0						
Al157	180	154			4	0	0	47	83	0						
Al157	180	156			4	0	0	47	83	0						
Al157	180	158	26.52	10489.79	4	0	0	82	129	0						
Al157	180	160			4	0	0	82	129	0	124.2	2	25.7	0.5	20.8	
Al157	180	162			4	0	0	82	129	0	191.3	17.2	20.3	3.1	150.8	
Al157	180	164			4	0	0	82	129	0	172.9	11.8	21.4	2.4	114	
Al157	180	166			4	0	0	82	129	0						
Al157	180	168			4	0	0	82	129	0	189.2	12	21.7	2.7	124.5	
Al157	180	170			4	0	0	82	129	0	169.2	10.7	20.4	2.8	138.3	
Al157	180	172			4	0	0	82	129	0	163.9	9	21.1	2.4	114.5	
Al157	180	174			4	0	0	82	129	0	148.2	9.3	22.4	2.6	114.1	
Al157	180	176			4	0	0	82	129	0	136.3	7.7	21.6	2.2	102.7	
Al157	180	178			4	0	0	82	129	0	116	8	21	2.3	110.7	
Al157	180	180			4	0	0	82	129	0	108.5	8	24.1	2.4	100.9	
Al157	180	182			4	0	0	82	129	0	119	7.3	21.4	2.3	106	
Al157	180	184	16.34	6362.97	4	0	0	62	115	0	104.6	8.1	21.8	2.6	121.4	
Al157	180	186			4	0	0	62	115	0	106.2	7.8	20.3	2.8	140	
Al157	180	188			4	0	0	62	115	0	99.1	4.3	21	3.3	158.8	
Al157	180	190			4	0	0	62	115	0	90.2	4.1	19.1	3.4	177.3	
Al157	180	192			4	0	0	62	115	0	79.9	3.4	18.4	4.3	231.5	
Al157	180	194			4	0	0	62	115	0	91.6	2.4	14.9	4.6	308.8	
Al157	180	196	6.4	227.51	4	0	0	62	115	0	86.7	1	15.5	5.2	335.6	
Al157	180	198			4	0	0	62	115	0	84.9	1.7	16	5.3	334	
Al157	180	200			4	0	0	62	115	0	84.3	1	15.5	5	321.1	
Al157	180	202			4	0	0	62	115	0	96.5	1.2	16.2	5.2	318.2	
Al157	180	204			4	0	0	62	115	0	115.2	1	16.6	5.4	327.5	
Al157	180	206			4	0	0	62	115	0	126.4	1	17	5.3	314	
Al157	180	208	3.63	211.14	4	0	0	73	133	0	37	1	39.5	5.6	140.7	
Al157	180	210			4	0	0	73	133	0	204.1	1	16.1	5.5	343.1	
Al157	180	212			4	0	0	73	133	0	82.3	1	16.6	4.2	250.8	
Al157	180	214			4	0	0	73	133	0	63.9	1	17.3	4	232.8	
Al157	180	216			4	0	0	73	133	0	69.6	1	18.1	4.1	227.6	

Al157	180	218			4	0	0	73	133	0	91.6	1	17.7	4.4	251.1
Al157	180	220			4	0	0	73	133	0	80	1	18.5	4.9	266.2
Al157	180	222			4	0	0	73	133	0	40.3	1	18.6	4.5	239.4
Al157	180	224			4	0	0	73	133	0	32.2	1	18.6	4.3	233.1
Al157	180	226			4	0	0	73	133	0	33.8	1	18.2	4.5	248.5
Al157	180	228			4	0	0	73	133	0	38	1.4	19.9	4.9	245.6
Al157	180	230			4	0	0	73	133	0	37.7	1.7	19.4	5.2	267.5
Al157	180	232			4	0	0	73	133	0	35.8	1	18.9	4.9	257.8
Al157	180	234			4	0	0	73	133	0	50.4	1	20.5	5.7	276.3
Al157	180	236			4	0	0	73	133	0	55.8	1.4	19.6	5.9	300.5
Al157	180	238			4	0	0	73	133	0	160	1	19.6	7.1	364.4
Al157	180	240			4	0	0	64	110	0	81.7	1	21.4	8.6	401.7
Al157	180	242			4	0	0	64	110	0	86.7	1	75.3	8	105.6
Al157	180	244			4	0	0	64	110	0	71.6	1	263.8	10.8	40.9
Al157	180	246			4	0	0	64	110	0					
Al157	180	248			4	0	0	64	110	0					
Al157	180	250			4	0	0	64	110	0					
Al157	180	252			4	0	0	64	110	0					
Al157	180	254			4	0	0	64	110	0					
Al157	180	256	1.01	131.36	4	0	0	64	110	0					
Al157	180	258			4	0	0	64	110	0					
Al157	180	260			4	0	0	45	70	0					
Al157	180	262			4	0	0	45	70	0					
Al157	180	264			4	0	0	45	70	0					
Al157	180	266			4	0	0	45	70	0					
Al157	180	268			4	0	0	45	70	0					
Al157	180	270			4	0	0	45	70	0	85	1	15.6	5.1	327.7
Al157	180	272			4	0	0	45	70	0	90.7	1	16.2	5.2	320.4
Al157	180	274			4	0	0	45	70	0	65.7	1	20.3	6.4	315.2
Al157	180	276			4	0	0	45	70	0	427.7	1	20.7	8.1	388.6
Al157	180	278			4	0	0	76	148	0	10.3	1	653.5	8.6	13.1
Al157	180	280			4	0	0	76	148	0	47.3	1	260.4	8.7	33.4
AM156	7	0			6					0					
AM156	7	2			6					0					
AM156	7	4			6					0					
AM156	7	6			6					0					
AM156	7	8			6					0					
AM156	7	10			6					0					
AM156	7	12			6					0					
AM156	7	14			6	0	0			0					
AM156	7	16			6	0	1			0					
AM156	7	18			6	0	1			0					
AM156	7	20			6	0	1			0					
AM156	7	22			6	0	0			0					
AM156	7	24			6	0	1			0					
AM156	7	26			6	0	1			0	402.2	48.8	30.6	11.2	365.1
AM156	7	28			6	0	1			0	283.2	33.1	20.3	8	392.9
AM156	7	30			6	0	1			0	202.9	26.5	17.4	6.7	385.3
AM156	7	32	10.26	385.25	6	0	1			0	154.1	23.6	16.2	6	370.9
AM156	7	34			6	0	0			0	124.9	23.5	15.4	6.1	393.2
AM156	7	36			6	0	0			0	108.4	20.8	15.7	5.9	378.5
AM156	7	38			6	0	1	122		0	95.2	21.8	15.8	5.7	362.9
AM156	7	40			6	0	0	122		0	94.5	21.1	15	5.9	396.6
AM156	7	42			7	0	0	122		0	82.9	25.7	19.3	7.3	379.1
AM156	7	44			7	0	0	122		0	81.9	24	16.6	7	420.1
AM156	7	46			7	0	0	122		0	74.3	25	18	7.5	415.8
AM156	7	48			7	0	1	122		0	73.9	25.5	19	7.2	377.9
AM156	7	50			7	0	0	122		0	68.1	25.5	16.7	7.3	434.7
AM156	7	52			7	0	0	122		0	67.9	29.6	15.8	7	443.5
AM156	7	54			7	0	0	122		0	62.3	24.4	18.1	7.2	397.2
AM156	7	56			7	0	0	122		0	51.6	26.4	17.1	6.4	377.8
AM156	7	58			7	0	0	122		0	47	27	15.9	6	376.1
AM156	7	60			7	0	0	122		0	64.5	26.9	19.9	7.5	378.9
AM156	7	62			7	0	0	122		1	80.9	26.6	19.9	8.8	440.9
AM156	7	64			7	0	1	122		1	76.4	25.7	17.9	8.8	491
AM156	7	66			7	0	0	122		1	80.5	22.3	16.5	9	547.3
AM156	7	68			7	0	0	124	192	1	75.8	24.1	15.5	8.6	550.4
AM156	7	70			7	0	0	124	192	1	71.7	23.4	17.3	8.4	487.4

AM156	7	72			7	0	0	124	192	1	78.5	25.1	17.2	8.5	492
AM156	7	74			7	0	0	124	192	1	80.5	23.9	16.4	8.7	529.8
AM156	7	76			7	0	0	124	192	1	92.1	23.9	17.4	8.2	468
AM156	7	78			7	0	0	124	192	1	103.1	24	17.8	8.3	468.3
AM156	7	80	2.99	258.49	7	0	1	124	192	1	115	25.4	17.8	8.4	468.9
AM156	7	82			7	0	0	124	192	1	125.8	27.8	16.8	8	478.5
AM156	7	84			7	0	0	124	192	1	156.9	26.1	17.3	7.9	456.6
AM156	7	86			6	0	0	124	192	1	156.3	25.1	17	7.8	459.1
AM156	7	88			6	0	0	124	192	1	193.9	27.2	18.4	8.4	456.2
AM156	7	90			6	0	0	124	192	1	162.6	27.5	18.9	8.5	447.5
AM156	7	92			6	0	0	105	167	1	154.1	29.7	19.3	8.6	443.6
AM156	7	94			6	0	1	105	167	1	159.7	29	20	8.7	433.2
AM156	7	96			6	0	1	105	167	1	161.8	24.5	21.4	9.3	435.2
AM156	7	98			6	0	0	105	167	1	157.1	29	19.5	8.9	457.5
AM156	7	100			6	0	0	105	167	1	242	29.5	18.6	8.8	473.6
AM156	7	102			6	0	0	105	167	1	275.8	29.9	18.6	9	486.3
AM156	7	104			6	0	0	105	167	1	237.8	28.8	19.4	9.4	484.7
AM156	7	106			6	0	0	105	167	1	208.3	31.1	16.5	8.4	505
AM156	7	108			6	0	0	105	167	1	250.4	25.3	17.2	8.3	482.4
AM156	7	110			6	0	0	114	168	1	193.9	23.2	17.4	8	458.7
AM156	7	112			6	0	0	114	168	1	289.6	23.1	19.2	8.8	457.9
AM156	7	114			6	0	0	114	168	1	306.3	23.7	19.1	8	421.1
AM156	7	116	1.04	214.09	6	0	0	114	168	1	173	24.8	18.1	8.7	481.9
AM156	7	118			6	0	1	114	168	1	151.5	23.8	18.7	8	425.3
AM156	7	120			6	0	0	114	168	1	156.2	23.8	19.1	8.1	425.5
AM156	7	122			6	0	1	114	168	1	127.7	23.3	17.7	7.8	441
AM156	7	124			6	0	0	114	168	1	148.9	22.1	18.4	7.2	388.9
AM156	7	126			6	0	0	114	168	1	138.3	20.8	18	8.4	465.4
AM156	7	128			6	0	0	114	168	1	120.3	20.3	17.8	8.1	454.6
AM156	7	130			6	0	0	114	168	1	111.4	20.6	21	6.7	316.9
AM156	7	132			6	0	0	114	168	1	154.2	18.7	19.1	8.6	451.2
AM156	7	134			6	0	0	144	225	1	138.8	20.3	18.2	8.3	456.7
AM156	7	136			6	0	0	144	225	1	122.2	18.4	18.8	7.5	396.1
AM156	7	138			6	0	0	144	225	1	119.8	17.2	21.8	8.6	395.3
AM156	7	140	1.2	43.03	6	0	0	144	225	1	137.4	17.4	17.8	7.8	438.7
AM156	7	142			6	0	0	144	225	1	148.2	15.7	17	7.5	442.3
AM156	7	144			6	0	0	144	225	1	125.1	16.2	18	8.1	450.3
AM156	7	146			6	0	0	144	225	1	109.9	16.1	17.6	7.6	430.2
AM156	7	148			6	0	0	144	225	1	141.1	15.6	18.2	7.7	421.9
AM156	7	150			6	0	0	144	225	1	79.9	15.8	18	6.8	378.3
AM156	7	152	2.32	176.01	6	0	0	144	225	1	70.6	16.2	17.4	7.4	426.3
AM156	7	154			6	0	0	144	225	1	89.5	16.8	17.7	8.2	462.4
AM156	7	156			6	0	0	144	225	1	126.8	15.8	17.9	8.2	455.7
AM156	7	158			7	0	1	144	225	1	122.9	13.6	18.6	7.7	412.3
AM156	7	160			7	0	0	144	225	0					
BBM152	73	0			1					0					
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BBM152	73	7			1					0					
BBM152	73	9			2					0					
BBM152	73	11			2					0					
BBM152	73	13			2					0					
BBM152	73	15			2					0					
BBM152	73	17			2	0	0			0					
BBM152	73	19			2	0	0			0					
BBM152	73	21			2	0	0			0					
BBM152	73	23			2	0	0			0					
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BBM152	73	117		4	0	0	80	136	0						
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BBM152	73	127		4	0	0	83	134	0						
BBM152	73	129		4	0	0	83	134	0						
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BBM152	73	155		6	0	0	94	180	1	1092.9	468.2	268.3	17.1	63.6	
BBM152	73	157		6	0	0	94	180	1	1082.1	453.8	200.8	15.4	76.7	
BBM152	73	159	3.87	6	0	0	94	180	1	1126.4	454.8	289.4	16.1	55.7	
BBM152	73	161		6	0	0	94	180	1	1065.1	451.3	254.6	15.3	60.2	
BBM152	73	163		6	0	0	122	183	1	1040.2	411.5	232	13.9	60	
BBM152	73	165		6	0	0	122	183	1	1154.3	489.9	247.8	16.1	64.8	
BBM152	73	167		6	0	0	122	183	1	1108.3	443.2	123.5	15.3	124.3	
BBM152	73	169		6	1	0	124	216	1	1051.4	445.7	113	14.5	128.7	
BBM152	73	171		6	1	0	124	216	1	987.9	400.4	102.8	12.8	124	
BBM152	73	173	23.33	6	0	0	124	216	1	1072.1	404.5	91.5	12.9	141	
BBM152	73	175		6	0	0	124	216	1	1048.3	397.7	112.4	13.6	121	
BBM152	73	177		6	0	0	124	216	1	1055.1	408.5	125.2	14.8	117.9	

BBM152	73	179		6	1	0	124	216	1	1061.5	413.5	90.1	12.7	140.7
BBM152	73	181		6	1	0	124	216	1	1109.9	438.1	81.4	12.8	157.3
BBM152	73	183	4.43	6	1	1	124	216	1	774.1	317.9	97.4	10.4	106.6
BBM152	73	185		6	1	1	124	216	1	1045.3	403.2	87.2	13.6	155.7
BBM152	73	187		6	1	0	97	177	1	1005.9	353.2	83.4	12.5	149.9
BBM152	73	189		6	1	1	97	177	1	1108.6	363.3	79.1	14	176.5
BBM152	73	191		6	1	1	97	177	1	1034.4	378.4	153.1	15	97.8
BBM152	73	193		6	1	1	97	177	1	1015.9	413.9	274.5	15	54.7
BBM152	73	195		6	1	1	97	177	1	1118.7	567.6	1001.8	16.4	16.4
BM143	113	37		7	0	0	112	186						
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BM143	113	43		7	0	0	94	141						
BM143	113	45		7	0	0	94	141	0					
BM143	113	47		7	0	0	94	141	0					
BM143	113	49		7	0	0	94	141	0	98.7	15.7	25.8	7.2	279.7
BM143	113	51		7	0	0	94	141	0	30	11.8	22.1	6.2	281.4
BM143	113	53		7	0	0	94	141	0	16.3	8.9	21.4	5.1	239.3
BM143	113	55		7	0	0	94	141	0	10.6	7.7	17.5	4.5	254.6
BM143	113	57		7	0	0	94	141	0	18.8	7	18.4	4.3	233.6
BM143	113	59		7	0	0	94	141	0	20.9	6.9	19.1	4.2	217.6
BM143	113	61		7	0	0	94	141	0	35.9	5.7	18.2	4	221.2
BM143	113	63		7	0	0	94	141	0	49.1	5.4	20.4	3.5	174.2
BM143	113	65		7	0	1	94	141	0	47	5.2	18.9	3.7	193.3
BM143	113	67		7	0	0	94	141	0	44.5	4.8	18.1	3.9	215.3
BM143	113	69		7	0	0	94	141	0	36.7	4.3	19	3.8	200.6
BM143	113	71		7	0	0	94	141	0	35.4	4.4	21.6	3.7	171.3
BM143	113	73		7	0	0	94	141	0	35.3	4.7	16.8	3.8	225.1
BM143	113	75		7	0	0	94	141	0	38.2	4.1	17.9	3.9	216.7
BM143	113	77		7	0	0	94	141	0	60.7	4.3	19	4.2	219.1
BM143	113	79		7	0	0	94	141	0	45.5	3.4	18.2	4.1	227.5
BM143	113	81		7	0	0	94	141	0	34.7	3.4	18.6	4.2	223.3
BM143	113	83		7	0	0	94	141	0	25.1	4.2	18.1	4.3	238.8
BM143	113	85		7	0	0	94	141	0	28.8	3.8	18.7	4.6	245.8
BM143	113	87		7	0	0	94	141	0	40.4	3.8	18	4.5	247
BM143	113	89		7	0	0	94	141	0	29.9	6.4	18.3	4.4	242.5
BM143	113	91		7	0	0	94	141	0	29.4	6.2	18.9	4.5	240.9
BM143	113	93	0.47	7	0	0	94	141	0	30.8	6.4	18	4.4	246.4
BM143	113	95		7	0	0	94	141	0	27	6.1	19.1	4.4	230
BM143	113	97		7	0	0	94	141	0	33.9	6.9	18.3	4.1	225.7
BM143	113	99		7	0	0	94	143	0	35.3	7.1	18	4	223.4
BM143	113	101		7	0	0	94	143	0	26.2	6.2	18.1	4.1	225.6
BM143	113	103		7	0	0	94	143	0	38.6	5.2	17.7	4	225.5
BM143	113	105	0.54	7	0	0	94	143	0	31.5	5.4	17.8	3.9	221.1
BM143	113	107		7	0	0	94	143	0	38	6.8	17.9	3.9	220.2
BM143	113	109		7	0	0	94	143	0	39.5	5.3	18.1	3.7	206.5
BM143	113	111		7	0	0	94	143	0	30.4	5.4	17.4	3.7	213.1
BM143	113	113		7	0	0	94	143	0	40.7	6.3	17.3	3.7	215.3
BM143	113	115		7	0	0	94	143	0	45.5	5.9	17.6	3.7	211.3
BM143	113	117	3.42	7	0	0	94	143	0	38.1	5.3	17.1	3.7	214.3
BM143	113	119		7	0	0	94	143	0	40	5.6	17.7	3.9	217.2
BM143	113	121		7	0	0	94	143	0	42.2	6.2	17.3	3.8	218.8
BM143	113	123		7	0	0	82	123	0	33.1	2.5	17.7	3.5	197
BM143	113	125		7	0	0	82	123	0	41.5	6	16.6	3.7	223.8
BM143	113	127		7	0	0	82	123	0	31.7	2	16.5	3.8	228.3
BM143	113	129	0.71	7	0	0	82	123	0	44.3	2.1	16.5	3.4	208
BM143	113	131		7	0	0	82	123	0	64.4	3.5	16.9	3.5	205.5
BM143	113	133		7	0	0	50	76	0	57	4	16.8	3.7	220.9
BM143	113	135		7	0	0	50	76	0	47.3	2.8	16.1	3.3	205.4
BM143	113	137		7	0	0	50	76	0	100.5	2.4	17.1	3	174.6
BM143	113	139		7	0	0	50	76	0	89.6	2.4	15.2	3	200.4
BM143	113	141	1.16	7	0	0	50	76	0	85.5	2.9	16.9	3.2	190.1
BM143	113	143		7	0	0	50	76	0	77.3	2.8	16.3	3.1	192.7
BM143	113	145		7	0	0	51	81	0	80	2.7	15.7	2.9	181.8
BM143	113	147		7	0	0	51	81	0	93.1	2.5	24.7	4.9	197.3
BM143	113	149		7	0	0	51	81	0	91.7	2.8	16.2	3.1	194.3
BM143	113	151		7	0	0	51	81	0	205.4	2.2	15.4	3	196.9
BM143	113	153	0	7	0	0	51	81	0	236.7	2.4	15.7	3.1	197.3

BM143	113	155		7	0	0	51	81	0	577.2	1.7	17.5	4.1	233.7
BM143	113	157		7	0	0	51	81	0	300.6	1	16.7	3.5	206.5
BM143	113	159		7	0	0	51	81	0	382.7	1.8	16.5	3.6	220.5
BM143	113	161		7	0	0	51	81	0	289.1	1	16.4	3.7	226
BM143	113	163		7	0	0	51	81	0	371.5	1	15.4	3.5	227.6
BM143	113	165	0	7	0	0	51	81	0	384.4	1	15	3.3	219.3
BM143	113	167		7	0	0	51	81	0	415.5	1.2	16.6	3.7	222.3
BM143	113	169		7	0	0	128	237	0	533.9	1	15.7	3.8	241.5
BM143	113	171		7	0	0	128	237	0	398.5	1.5	15.6	3.7	238.6
BM143	113	173		7	0	0	128	237	0	621.8	1	14.9	3.6	238
BM143	113	175		7	0	0	128	237	0	308.2	2.2	15.9	3.4	211.5
BM143	113	177	0	7	0	0	128	237	0	325.5	1.4	14.8	3.3	221.5
BM143	113	179		7	0	0	128	237	0	268.5	1	14.1	3.2	226.3
BM143	113	181		7	0	0	128	237	0	471.8	1	16	3.4	214.1
BM143	113	183		7	0	0	128	237	0	522.1	1	14.1	3.4	239.8
BM143	113	185		7	0	0	128	237	0	267.3	1	13.9	3	214.4
BM143	113	187	0	7	0	0	128	237	0	199.7	1	16.4	3.6	219.2
BM143	113	189		7	0	0	128	237	0	218.8	1	16	3.3	205
BM143	113	191		7	0	0	128	237	0	234.3	1	18.6	4	215.2
BM143	113	193	0	7	0	0	131	225	0					
BM143	113	195		7	0	0	131	225	0					
BM143	113	197		7	0	0	131	225	0	357.1	1	15.4	2.8	182.9
BM143	113	199	0	7	0	0	131	225	0	678.7	1	15.5	2.8	181.2
BM143	113	201		7	0	0	131	225	0	291.7	1	16	2.9	179.1
BM143	113	203		7	0	0	131	225	0	354.3	1	16.9	3	178.2
BM143	113	205		7	0	0	131	225	0	215.4	1	14.5	2.4	166.2
BM143	113	207		7	0	0	131	225	0	565.2	1	15.8	2.9	186.2
BM143	113	209		7	0	0	131	225	0	410.7	1	18.2	3	162.5
BM143	113	211		7	0	0	131	225	0	370.6	1	12.2	2.2	177.3
BM143	113	213	0	7	0	0	131	225	0	218.4	1	15	2.9	192.3
BM143	113	215		7	0	0	131	225	0					
BM143	113	217		7	0	0	50	74	0	558.6	1	15.5	3	193
BM143	113	219		7	0	0	50	74	0	314.4	1	20.8	4.5	214.6
BM143	113	221		7	0	0	50	74	0	234	1	14.4	2.9	199.2
BM143	113	223	0	7	0	0	50	74	0	212.3	1	14.6	2.8	191
BM143	113	225		7	0	0	50	74	0	237.2	1	15.4	3	193.5
BM143	113	227		7	0	0	50	74	0	154.9	1	14.5	2.8	192.4
BM143	113	229		7	0	0	50	74	0	163.8	1	14.6	2.9	201
BM143	113	231		7	0	0	50	74	0	152.1	1	14.5	2.7	186.9
BM143	113	233		7	0	0	50	74	0	149.6	1	14.3	2.7	186.2
BM143	113	235	0	7	0	0	50	74	0	162.7	1	13.7	2.6	191.8
BM143	113	237		7	0	0	50	74	0	128.2	1	14	2.6	184.8
BM143	113	239		7	0	0	50	74	0	145.3	1	13.5	2.4	174.5
BM143	113	241		7	0	0	45	102	0					
BM143	113	243		7	0	0	45	102	0					
BM143	113	245		7	0	0	45	102	0					
BM143	113	247		7	0	0	45	102	0					
BM143	113	249		7	0	0	45	102	0	144.4	1	17.5	2.3	132.9
BM143	113	251		7	0	0	45	102	0	138	1	13.5	2.3	170.2
BM143	113	253		7	0	0	45	102	0					
BM143	113	255		7	0	0	45	102	0	137.8	1	14.4	2.5	171.8
BM143	113	257							0	119.8	1	14	2.5	180.5
BM143	113	259							0	163.9	1	15.7	2.6	163.9
BM143	113	261							0	496.9	1	15.2	3.7	242.1
BM143	113	263							0	633.3	1	14.6	3.3	222.9
BM143	114	0							0					
BM143	114	1							0					
BM143	114	3							0					
BM143	114	5							0					
BM143	114	7							0					
BM143	114	9							0					
BM143	114	11		7					0					
BM143	114	13		7					0					
BM143	114	15		7					0					
BM143	114	17		7					0					
BM143	114	19		7					0					
BM143	114	21		7					0					
BM143	114	22		7					0					

BM143	114	23			7						0						
BM143	114	25			7	0	1				0						
BM143	114	27			7	0	0				0	144.2	100.5	44.1	9.9	224	
BM143	114	29			7	0	1				0	132.5	66.9	32.7	9.4	286.9	
BM143	114	31	7.86		7	0	0				0	126	37.1	31.4	9.5	302.3	
BM143	114	33			7	0	0				0						
BM143	114	35			7	0	0				0						
BM143	115	37			7	0	0										
BM143	115	39			7	0	0				0						
BM143	115	41			7	0	0				0						
BM143	115	43			7	0	0	52	84	0	92	60	31.3	7.5	238.8		
BM143	115	45	24.54		7	0	0	52	84	0	75.7	65.2	29.4	8.1	276.1		
BM143	115	47			7	0	0	52	84	0	48.1	56.6	27.7	6.5	236.2		
BM143	115	49			7	0	0	52	84	0	55.5	53.3	25.4	6.1	239.5		
BM143	115	51			7	0	0	52	84	0	68.2	51.9	24.7	6	242.4		
BM143	115	53			7	0	0	52	84	0	72.9	55.2	24.7	5.4	217.2		
BM143	115	55			7	0	0	52	84	0	76.2	48.1	24.6	5.7	231.7		
BM143	115	57	9.08		7	0	0	52	84	0	72.8	48.9	27.8	4.7	169.9		
BM143	115	59			7	0	0	52	84	0	78.3	46	26.6	5	188.5		
BM143	115	61			7	0	0	52	84	0	83.5	40.8	26.4	5.5	208.8		
BM143	115	63			7	0	0	52	84	0	86.4	39.1	26.1	5.8	220.6		
BM143	115	65			7	0	1	52	84	0	72.2	35.4	25.2	5.1	202.3		
BM143	115	67			7	0	0	52	84	0	75	31.3	27.3	5.4	199		
BM143	115	69	5.96		7	0	0	52	84	0	70.9	32.5	25.6	5.2	203.4		
BM143	115	71			7	0	0	52	84	0	87.8	31.8	26.9	5.4	200		
BM143	115	73			7	0	0	52	84	0	79.9	29.9	26.6	5.2	197.2		
BM143	115	75			7	0	0	52	84	0	80.4	27.9	27.5	5.3	194.1		
BM143	115	77			7	0	0	52	84	0	76	26.3	25.9	5.7	219		
BM143	115	79			7	0	0	52	84	0	84.5	23.1	25.6	5.4	212.5		
BM143	115	81	3.56		7	0	0	52	84	0	129	20.8	26	5.3	205.2		
BM143	115	83			7	0	0	52	84	0	117.7	25.8	25.4	5.3	210.1		
BM143	115	85			7	0	0	52	84	0	112.5	26.2	25.4	5.5	215.2		
BM143	115	87			7	0	0	52	84	0	125.5	24.2	23.8	5.1	213.6		
BM143	115	89			7	0	0	52	84	0	91.7	24.2	24.6	5	202.3		
BM143	115	91			7	0	0	52	84	0	93.1	24.2	23.8	5	209.3		
BM143	115	93	2.15		7	0	0	52	84	0	111	22.8	26.7	5.1	189.2		
BM143	115	95			7	0	0	52	84	0	92.2	25.5	25.6	5.3	207.7		
BM143	115	97			7	0	0	52	84	0	100.3	28.8	25.2	5	197.2		
BM143	115	99			7			52	84	0	97.5	25	24	4.6	190.5		
EY149	14	0			3	0	0			0							
EY149	14	2			3	0	0			0							
EY149	14	4			3	0	0			0							
EY149	14	6			3	0	0			0							
EY149	14	8			7	0	0			0							
EY149	14	10			7	0	0			0	62.6	25.4	17.3	4.8	277.5		
EY149	14	12			7	0	0			0	47.7	20.3	19.5	3.8	197.1		
EY149	14	14			7	0	0			0	24.4	32.1	22.7	4	175.1		
EY149	14	16			7	0	0			0	29.1	41.3	27.1	4.8	178.2		
EY149	14	18			7	0	0			0	31.6	48.4	25.9	4.7	181.4		
EY149	14	20			3	0	0			0	48.3	37	24.2	4.8	197.2		
EY149	14	22			3	0	0	39	60	0	26.6	66.1	35.5	7	197.6		
EY149	14	24			3	0	0	39	60	0	30.7	100.3	54.9	11.9	216.5		
EY149	14	26			3	0	0	39	60	0	30.2	87.6	53.5	11	205.1		
EY149	14	28			2	0	0	39	60	0	37.7	86.8	56.1	11	195.6		
EY149	14	30	0.94	1.07	2	0	0	39	60	0							
EY149	14	32			2	0	0	39	60	0							
EY149	14	34			2	0	0	39	60	0							
EY149	14	36			2	0	0	39	60	0							
EY149	14	38	1.34	61.26	2	0	0	39	60	0							
EY149	14	40			2	0	0	39	60	0							
GB138	68	0								0							
GB138	68	1			2					0							
GB138	68	3			3					0							
GB138	68	5			3					0							
GB138	68	7			3	0	0			0							
GB138	68	9			2	0	0			0							
GB138	68	11			2	0	0			0							
GB138	68	13			2	0	0			0							

GB138	68	15			2	0	0			0							
GB138	68	17			2	0	0			0							
GB138	68	19			2	0	0			0							
GB138	68	21			2	0	0	52	112	0							
GB138	68	23			2	0	0	52	112	0							
GB138	68	25			2	0	0	52	112	0							
GB138	68	27			2	0	0	52	112	0							
GB138	68	29			2	0	0	52	112	0							
GB138	68	31			2	1	0	52	112	0							
GB138	68	33			2	0	0	52	112	0							
GB138	68	35			2	0	0	52	112	0							
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GB138	68	39			2	1	0	52	112	0							
GB138	68	41			2	1	0	52	112	0							
GB138	68	43			2	1	0	52	112	0							
GB138	68	45			2	1	0	52	112	0							
GB138	68	47			2	1	0	52	112	0							
GB138	68	49			2	1	0	52	112	0							
GB138	68	51			2	1	0	52	112	0							
GB138	68	53			3	1	0	52	112	0							
GB138	68	55			3	1	1	131	195	0							
GB138	68	57			3	0	0	131	195	0							
GB138	68	59			3	0	0	131	195	0							
GB138	68	61			3	0	1	131	195	0							
GB138	68	63			3	0	0	95	177	0	127.9	211.8	64.4	4.3	66.8		
GB138	68	65			3	0	0	95	177	0	119.4	62.7	36.2	4.9	134.8		
GB138	68	67			3	0	0	95	177	0	100.7	86.8	41.3	4.3	105.3		
GB138	68	69			3	0	0	95	177	0	93.5	116.9	45.8	4.1	89.8		
GB138	68	71			3	0	0	95	177	0	95.7	154.2	48.8	4	81.6		
GB138	68	73			3	0	0	95	177	0	131	35.6	32.3	4.5	137.8		
GB138	68	75			3	0	0	91	168	0	150.8	31.5	31.3	4.4	139.6		
GB138	68	77			3	0	0	91	168	0							
GB138	68	79			3	0	0	91	168	0	171.1	23	27.8	4.6	165.3		
GB138	68	81			3	0	0	91	168	0	178.5	21.2	28.7	4.5	157.3		
GB138	68	83			3	0	0	91	168	0	199.6	21.8	30.4	5.3	175.5		
GB138	68	85			3	0	0	91	168	0	182	18.4	29.1	4.9	167.9		
GB138	68	87			3	0	0	91	168	0	190.9	18.7	30.8	5.1	165.6		
GB138	68	89			3	0	0	91	168	0	200.7	19.6	27.9	5.3	188.1		
GB138	68	91	25.49	1013.83	3	0	0	91	168	0	203.3	18	39.5	6.6	168.1		
GB138	68	93			3	0	0	85	140	0	198.2	19.1	32.5	5.6	173.6		
GB138	68	95			3	0	0	85	140	0	187.3	15.1	31.1	5.4	172.3		
GB138	68	97			3	0	0	85	140	0	164.8	14.7	39.5	5.5	139.4		
GB138	68	99			3	0	0	85	140	0	171.7	13.5	36.2	5.3	146.1		
GB138	68	101			3	0	0	85	140	0	140.9	17.4	31.3	6	192.6		
GB138	68	103			3	0	0	85	140	0	150.5	17.6	28.5	5.8	204.3		
GB138	68	105	8.54	565.75	3	0	0	85	140	0	134.6	15.2	29.3	4.9	166.4		
GB138	68	107			3	0	0	85	140	0	137.7	15.7	35.6	5.5	154.6		
GB138	68	109			3	0	0	85	140	0	140.2	14.8	37.5	6.2	166.1		
GB138	68	111			3	0	0	85	140	0	125.3	14.1	33.2	5.4	162.9		
GB138	68	113			3	0	0	85	140	0	104.3	14	30.9	5.8	188.3		
GB138	68	115			3	0	0	85	140	0	101	13.6	30.7	5.2	170.5		
GB138	68	117	2.98	212.16	3	0	0	175	265	0	92.1	13	29.8	5.3	176.9		
GB138	68	119			4	0	0	175	265	0	77	14.1	26.9	4.8	177.2		
GB138	68	121			4	0	0	175	265	1	78.9	12.7	26.7	4.5	167.9		
GB138	68	123			4	0	0	175	265	1							
GB138	68	125			4	0	0	259	355	1							
GB138	68	127			4	0	0	259	355	0							
GB138	68	129	2.81	340.77	4	0	0	259	355	0							
GB138	68	131			4	0	1	259	355	0							
GB138	68	133			4	0	0	259	355	0							
GB138	68	135			4	0	0	259	355	0							
GB138	68	137			4	0	0	259	355	0							
GB138	68	139			4	0	0	259	355	0							
GB138	68	141	1.78	71.53	4	0	0	259	355	0							
GB138	68	143			4	0	0	259	355	0							
GB138	68	145			4	0	0	259	355	0							
GB138	68	147			4	0	0	259	355	0							
GB138	68	149			4	1	0	259	355	1							

GB138	68	151		4	1	1	259	355	1						
GB138	70	178		4	0	0	164	278	1						
GB138	70	179		4	0	0	164	278	1	447.5	53.6	189.5	3.2	16.7	
GB138	70	181		4	0	1	164	278	1						
GB138	70	183		4	0	0	164	278	1	1377.7	38.3	271.5	12.9	47.4	
GB138	70	185	3.26	4	0	0	164	278	1	1071.3	44.2	155.3	10.4	66.7	
GB138	70	187		4	0	0	164	278	1	1115.5	61.3	281.4	10.3	36.6	
GB138	70	189		4	0	0	164	278	1	1171.1	93.3	218.9	11.6	53.1	
GB138	70	191		4	0	0	32	129	1	1034.7	112.6	195.7	9.1	46.3	
GB138	70	193		4	0	0	32	129	1	1091.6	179.2	317.3	9.7	30.6	
GB138	70	195		4	0	0	32	129	1	1281.5	150.3	1406.1	14.1	10	
GB138	70	197		4	0	0	32	129	1	1263.6	168.4	305	13.6	44.7	
GB138	70	199		4	0	0	32	129	1	1283	211.7	471.8	13.5	28.7	
GB138	70	201		4	0	0	32	129	1	1320.4	213.3	413.1	13.6	33	
GB138	70	203	3.84	4	0	0	32	129	1	1325.5	252.4	466	13.7	29.5	
GB138	70	205		4	0	0	32	129	1	1167.3	213.2	260.6	11.3	43.5	
GB138	70	207		4	0	0	32	129	1	1298.1	303.9	1246.2	12.5	10	
GB138	70	209		4	0	0	32	129	1	1238	396.5	1060.1	10.6	10	
GB138	70	211		4	0	0	32	129	1	1399.3	450.7	1184	11.8	10	
GB138	70	213		4	0	0	32	129	1	1497.4	476.1	1236	12.4	10	
GB138	70	215	3.9	4	0	0	32	129	1	1348.6	451.3	1052.4	10.5	10	
GB138	70	217		4	0	0	32	129	1	1462.4	474.5	1090.7	10.9	10	
GB138	70	219		4	0	0	32	129	1	1511.7	486.8	1156.1	11.6	10	
GB138	70	221		4	0	0	32	129	1	1415.3	461.4	1035.4	10.4	10	
GB138	70	223		4	0	0	32	129	1	1563.9	487.6	1107.1	11.1	10	
GB138	71	0							0						
GB138	71	1		2					0						
GB138	71	3		3					0						
GB138	71	5		3					0						
GB138	71	7		3	0	0			0						
GB138	71	9		2	0	0			0						
GB138	71	11		2	0	0			0						
GB138	71	13		2	0	0			0						
GB138	71	15		2	0	0			0						
GB138	71	17		2	0	0			0						
GB138	71	19		2	0	0			0						
GB138	71	21		2	0	0	54	110	0						
GB138	71	23		2	0	0	54	110	0						
GB138	71	25		2	0	0	54	110	0						
GB138	71	27		2	0	0	54	110	0						
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GB138	71	31		2	1	0	54	110	0						
GB138	71	33		2	0	0	54	110	0						
GB138	71	35		2	0	0	54	110	0						
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GB138	71	67		3	0	0	106	176	0						
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GB138	71	71		3	0	0	106	176	0						
GB138	71	73		3	0	0	106	176	0						
GB138	71	75		3	0	0	106	176	0						
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GB138	71	79		3	0	0	106	176	0						
GB138	71	81		3	0	0	106	176	0						
GB138	71	83		3	0	0	106	176	0						

GB138	71	85		3	0	0	106	176	0						
GB138	71	87		3	0	0	106	176	0						
GB138	71	89		3	0	0	106	176	0						
GB138	71	91		3	0	0	106	176	0						
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GB138	71	95		3	0	0	76	140	0						
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GB138	71	99		3	0	0	76	140	0						
GB138	71	101		3	0	0	76	140	0						
GB138	71	103		3	0	0	76	140	0						
GB138	71	105		3	0	0	76	140	0						
GB138	71	107		3	0	0	76	140	0						
GB138	71	109		3	0	0	76	140	0						
GB138	71	111		3	0	0	76	140	0						
GB138	71	113		3	0	0	76	140	0						
GB138	71	115		3	0	0	76	140	0						
GB138	71	117		3	0	0	86	135	0						
GB138	71	119		4	0	0	86	135	0						
GB138	71	121		4	0	0	86	135	1						
GB138	71	123		4	0	0	86	135	1						
GB138	71	125		4	0	0	86	135	1						
GB138	71	127		4	0	0	86	135	1						
GB138	71	129		4	0	0	86	135	1						
GB138	71	131		4	0	1	86	135	1						
GB138	71	133		4	0	0	86	135	1						
GB138	71	135		4	0	0	86	135	1						
GB138	71	137		4	0	0	86	135	1						
GB138	71	139		4	0	0	86	135	1						
GB138	71	141		4	0	0	86	135	1						
GB138	71	143		4	0	0	86	135	1						
GB138	71	145		4	0	0	86	135	1						
GB138	71	147		4	0	0	86	135	1						
GB138	71	149		4	1	0	86	135	1						
GB138	71	151		4	1	1	86	135	1						
GB138	71	152		4	0	0	86	135	1	59.5	218.4	53.5	6.4	119.6	
GB138	71	153		4	0	0	86	135	1	63.1	371.8	50	10.9	217.9	
GB138	71	155		4	0	0	86	135	1	65.5	358	53.5	11.4	213.8	
GB138	71	157		4	0	0	86	135	1	86.6	329.9	59.3	10.7	180.6	
GB138	71	159		4	0	0	86	135	1	134.4	343.9	68.8	11.4	165.7	
GB138	71	161		4	1	0	86	135	1	170.4	379.4	81.9	13	158.2	
GB138	71	163		4	1	0	126	234	1	248.9	386.2	98.1	12.2	124.3	
GB138	71	165		4	0	0	126	234	1	262.6	416.5	108.2	12.6	116.4	
GB138	71	167		4	0	0	126	234	1	271.6	462.5	119.1	13.3	111.7	
GB138	71	169		4	1	0	126	234	1	269.4	462.2	114.4	13.6	118.8	
GB138	71	171		4	0	0	126	234	1	283	457.5	131.2	13	99.4	
GB138	71	173		4	0	0	126	234	1	286.7	440.5	119.3	12.2	102.2	
GB138	71	175		4	0	0	126	234	1	308.6	508.1	238.7	14.3	59.8	
GB138	71	177		4	0	0	126	234	1	540.2	577.6	366.1	13.9	38	
GB138	71	178		4	0	0	126	234	1	658.5	624.3	675.8	15.1	22.3	
GB138	71	179		4	0	0	126	234	1	738	610.9	1116.2	14.5	13	
GB138	71	181		4	0	1	126	234	1	870.5	630.3	1500.4	15	10	
GB138	71	183		4	0	0	126	234	1	960.3	655.6	1616.1	16.2	10	
GB138	71	185		4	0	0	126	234	1	977.8	619.6	1446.2	14.5	10	
GB138	71	187		4	0	0	126	234	1	1122.5	686.1	1699.2	17	10	
GB138	71	189		4	0	0	126	234	1	1197.4	682	1626.5	16.3	10	
GB138	71	191		4	0	0	126	234	0						
GB138	71	193	4.13	4	0	0	126	234	0						
GB138	71	195		4	0	0	126	234	0						
GB138	71	197		4	0	0	126	234	0						
GB138	71	199		4	0	0	126	234	0						
GB138	71	201		4	0	0	126	234	0						
GB138	71	203		4	0	0	126	234	0						
GB138	71	205	2.98	4	0	0	126	234	0						
GB138	71	207		4	0	0	126	234	0						
GB138	71	209		4	0	0	126	234	0						
GB138	71	211		4	0	0	126	234	0						
GB138	71	213		4	0	0	126	234	0						
GB138	71	215		4	0	0	126	234	1						

GB138	71	217	2.84	4	0	0	126	234	1						
GB138	71	219		4	0	0	126	234	1						
GB138	71	221		4	0	0	126	234	1						
GB138	71	223		4	0	0	126	234	1						
GP157	116	0		4					0						
GP157	116	2		3					0						
GP157	116	4		8					0						
GP157	116	6		8					0	119.9	26.9	25.9	4.3	167.6	
GP157	116	8		8	0	0			0	131	21.1	24.2	4	165	
GP157	116	10		8	0	0			0	143.1	18.8	24	4	167.6	
GP157	116	12		8	0	0			0	193.3	20.3	24.4	4	165.6	
GP157	116	14		8	0	0			0	242.4	18.3	33.3	4.3	130.2	
GP157	116	16		6	0	0			0	282.3	17.5	31.4	4.5	142.6	
GP157	116	18		6	0	0			0	294.9	13.4	24.4	4	164.3	
GP157	116	20		6	0	0			0	426.6	14.1	24.4	4.4	179.6	
GP157	116	21		6	0	0			0	408.2	11.1	23.8	4	166.7	
GP157	116	22		6	0	0			0	437.8	12	24.8	4.4	178.5	
GP157	116	24		6	0	0			0	669.9	11	24.3	4	166.2	
GP157	116	26		6	0	0			0	491.2	20.6	27.1	3.8	138.6	
GP157	116	28		6	0	0			0	468.2	9.4	24.9	4.3	171.2	
GP157	116	30	14.16	6	0	0			0	363.3	11.5	23.3	4.8	206.7	
GP157	116	32		6	0	0	57	93	0	293.8	8.6	25.3	4.7	185.3	
GP157	116	34		6	0	0	57	93	0	288.5	8.8	24.3	4.3	178.2	
GP157	116	36		4	0	0	57	93	0	292.2	8.5	24.8	4.1	164.3	
GP157	116	38		4	0	0	57	93	0	274.1	7.9	21.9	3.9	179.9	
GP157	116	40		4	0	0	57	93	0	264.3	6.5	23.1	4.1	177.6	
GP157	116	42	2.8	4	1	0	57	93	0	246.4	6.8	25	3.8	150.8	
GP157	116	44		4	0	0	57	93	0	330.2	7.1	24.9	3.3	133.9	
GP157	116	46		4	0	1	57	93	0	302.6	6.7	24.8	3.3	131.5	
GP157	116	48		4	0	0	57	93	0	383.9	6.9	26.1	3	116	
GP157	116	50		4	0	0	57	93	0	384.2	7.2	25.6	3.2	126.4	
GP157	116	52		4	0	0	57	93	0						
GP157	116	54		4	0	0	57	93	0						
GP157	116	56		4	0	0	57	93	0	152.6	16.7	23.3	4.3	185.8	
GP157	116	58		4	0	0	49	87	0	769.2	10.3	21.2	3.3	154.2	
GP157	116	60		4	1	0	49	87	0	724.8	13.5	24.2	3.5	145.8	
GP157	116	62		4	1	0	49	87	0	374.1	10.8	25.7	3.3	128.8	
GP157	116	64		4	0	0	49	87	0						
GP157	116	66	1.91	4	1	0	49	87	0						
GP157	116	68		4	0	0	49	87	0						
GP157	116	70		4	0	0	49	87	0						
GP157	116	72		4	0	0	49	87	0						
GP157	116	74		4	0	0	49	87	0						
GP157	116	76		4	0	0	49	87	0						
GP157	116	78	0	4	0	0	49	87	0						
GP157	116	80		4	0	0	53	91	0						
GP157	116	82		4	0	0	53	91	0						
GP157	116	84		4	0	0	53	91	0						
GP157	116	86		4	0	0	53	91	0						
GP157	116	88		4	0	0	53	91	0	75.5	55.7	31.6	4.3	135.2	
GP157	116	90	0	4	0	0	53	91	0	72.6	47	27.8	6	216.9	
GP157	116	92		4	1	0	53	91	0	82.7	42.4	28.7	4	138	
GP157	116	94		4	0	0	53	91	0	94.2	31.9	26.5	4.3	161.2	
GP157	116	96		4	0	0	53	91	0	108	25.9	27	4.5	166.1	
GP157	117	98		4	0	0	53	91	0						
GP157	117	100		4	0	0	53	91	0						
GP157	117	102		4	0	0	53	91	0						
GP157	117	104		4	0	0	72	132	0	92.6	40.6	25.2	5.3	209.9	
GP157	117	106		4	0	0	72	132	0	101.1	36.4	25.9	5.5	213.7	
GP157	117	108	3.98	4	0	0	72	132	0	103.4	30.6	25.9	5.4	210.4	
GP157	117	110		4	0	0	72	132	0	118.3	25.3	26.7	5.1	192.3	
GP157	117	112		4	0	0	72	132	0	143.6	13.1	28.9	5.6	194.6	
GP157	117	114		4	0	0	72	132	0	140.7	24.4	25.5	5	197.3	
GP157	117	116		4	0	0	72	132	0	102.1	36.6	25.7	6.1	237.5	
GP157	117	118		4	0	0	72	132	0	62.6	40.7	23.5	6.5	275.1	
GP157	117	120	0.79	4	0	0	72	132	0	52.2	37.8	23.3	6.2	264	
GP157	117	122		4	0	0	72	132	0	38.1	26.1	22.4	5.2	232	
GP157	117	124		4	0	0	72	132	0	52.5	25.1	27.7	6.7	242.9	

GP157	117	126		4	0	0	72	132	0	48.1	22.4	25.9	6.4	245.8
GP157	117	128		4	0	0	63	107	0	81.2	22.4	24.6	6	242.6
GP157	117	130		4	0	0	63	107	0	92	21.6	26.4	6.9	263.1
GP157	117	132	1.22	6	0	0	63	107	0	113.8	18.4	23.1	6.5	279.3
GP157	117	134		6	0	0	63	107	0	130.8	17.1	24.9	6.8	271.3
GP157	117	136		6	0	0	63	107	0					
GP157	117	138		6	0	0	63	107	0	143.3		32.4	7.4	229.2
GP157	117	140		6	0	0	63	107	0	138.8	10.1	24.1	7	291.5
GP157	117	142		6	0	0	63	107	0					
GP157	117	144		6	0	0	63	107	0	101	9.5	21.2	5.7	269.7
GP157	117	146		6	0	0	63	107	0	96.7	8.3	21.9	6.2	281.5
GP157	117	148	0.51	6	0	0	63	107	0	81.9	9.1	26	6.4	246.9
GP157	117	150		6	0	0	63	107	0	66	8	24	6.2	258.7
GP157	117	152		6	0	0	43	90	0	79.9	7.9	22	5.4	245.9
GP157	117	154		6	0	0	43	90	0	78	8.2	24.8	6.4	258.3
GP157	117	156	0.48	6	0	0	43	90	0	74	7.8	23.7	6.7	282.3
GP157	117	158		6	0	0	43	90	0	72	7.7	21.6	6.4	294.6
GP157	117	160		6	0	0	43	90	0	93.8	6.9	25.6	6.3	246.3
GP157	117	162		6	0	0	43	90	0	82.6	8.9	25	6.9	273.8
GP157	117	164		6	0	0	43	90	0	103.6	9.4	23.4	6.2	265.5
GP157	117	166		6	0	0	43	90	0	91.5	7.5	24.8	7.1	288.2
GP157	117	168	0.63	6	0	0	43	90	0	102.1	6.9	24.1	6.3	262.8
GP157	117	170		6	0	0	43	90	0	136.8	5.7	26.8	7.3	273.2
GP157	117	172		6	0	0	43	90	0	151.5	5.8	28.2	8	284.1
GP157	117	174		6	0	0	43	90	0	174.4	5.4	26.4	8	304.2
GP157	117	176		6	0	0	43	90	0	182.8	4.5	29.6	8.5	285.6
GP157	117	178		6	0	0	43	90	0	133.7	6.2	23.8	6.3	265.1
GP157	117	180	0.78	6	0	0	43	90	0	60.4	4.4	27.9	7.3	261.4
GP157	117	182		6	0	0	43	90	0	37.1	2.8	23.7	7.5	315.9
GP157	117	184		6	0	0	43	90	0	40.4	1.9	24.3	7	289
GP157	117	186		6	0	0	43	90	0		2.7	31.4	6	190.4
GP157	117	188		6	0	0	43	90	0	86.8	1	27.2	8	293.6
GP157	117	190		6	0	0	43	90	0	303.8	1	26	8.2	316.4
GP157	117	192	0.41	6	0	0	43	90	0					
GP157	117	194		6	0	0	43	90	0					
GP157	117	196		6	0	0	43	90	0	113.3	6.9	23.8	6.7	280.4
GP157	117	198		6	0	0	43	90	0	125.6	5.8	24.9	7.6	307.4
GP157	117	200		6	0	0	43	90	0	157.4	6.8	23.3	7.1	305
GP157	117	202		6	0	0	43	90	0	108.8	3.8	23.8	6.8	286.9
GP157	117	204	0.5	6	0	0	43	90	0	156.4	3.8	22.5	6.9	308.4
GP157	117	206		6	0	0	43	90	0	60.9	3.5	24.9	7	281.6
GP157	117	208		6	0	0	43	90	0	46.6	1	24	7.9	327.8
GP157	117	210		6	0	0	43	90	0	77.7	1.4	22.9	7	304.8
GP157	117	212		6	0	0	43	90	0	40.3	1.7	26.5	7.6	286.5
GP157	117	214		6	0	0	43	90	0	81.3	1.3	24.8	7.9	318.7
GP157	117	216		6	0	0	43	90	0	75.7	1.5	24.7	6.7	273.4
GP157	118	0		4					0					
GP157	118	2		3					0					
GP157	118	4		8					0					
GP157	118	6		8					0	99.6	27.3	23.1	4.4	188.7
GP157	118	8		8	0	0			0	106.5	25.1	23	4.5	198.1
GP157	118	10		8	0	0			0	110.8	25.1	22.7	4.4	194.9
GP157	118	12		8	0	0			0	123.7	18.3	24.1	5	208.7
GP157	118	14		8	0	0			0	125.9	18.7	26.6	5.1	193.9
GP157	118	16		6	0	0			0	136.8	17.9	31.3	5.3	169.3
GP157	118	18		6	0	0			0	119.3	17.1	24.4	4.5	183
GP157	118	20		6	0	0			0	137	16.4	23.9	5	209.3
GP157	118	21		6	0	0			0	121.4	14.4	21.7	4.2	193.4
GP157	118	22		6	0	0			0	133	15.3	24.9	4.9	197.9
GP157	118	24		6	0	0			0	154.8	12.8	23.5	4.2	181.1
GP157	118	26		6	0	0			0	233.6	14.1	23.7	4	168.2
GP157	118	28		6	0	0			0	181.4	11.7	25.2	5.1	201
GP157	118	30	26.72	6	0	0			0	157.2	12.5	23.3	5.1	219.2
GP157	118	32		6	0	0	25	49	0	145.5	9.2	24.9	5	201.5
GP157	118	34		6	0	0	25	49	0	155.7	9.7	24.9	5	201.6
GP157	118	36		4	0	0	25	49	0	177.2	9	23.3	4.3	183.4
GP157	118	38		4	0	0	25	49	0	139.7	7.8	23.8	4.4	184.5
GP157	118	40		4	0	0	25	49	0	150.3	8.2	19.9	4.2	209.5

GP157	118	42	7.58		4	1	0	25	49	0	139.8	7.7	21.2	3.7	174.3
GP157	118	44			4	0	0	25	49	0	167.2	7	17.4	3.6	206.8
GP157	118	46			4	0	1	25	49	0	132.7	8.7	15.1	3.6	236.6
GP157	118	48			4	0	0	25	49	0	233.6	8.6	19.5	3.3	171.7
GP157	118	50			4	0	0	25	49	0	176.2	9.4	24.4	6	243.5
GP157	118	52			4	0	0	25	49	0					
GP157	118	54			4	0	0	25	49	0					
GP157	118	56			4	0	0	25	49	0	112.3	21.6	22.4	4.7	210
GP157	118	58			4	0	0	48	81	0	187	11.4	21.2	3.6	170.1
GP157	118	60			4	1	0	48	81	0	185.6	14	24.9	4.1	163.1
GP157	118	62			4	1	0	48	81	0	210.6	11.4	23.4	3.3	139.9
GP157	118	64			4	0	0	48	81	0					
GP157	118	66	3.77		4	1	0	48	81	0					
GP157	118	68			4	0	0	48	81	0					
GP157	118	70			4	0	0	48	81	0					
GP157	118	72			4	0	0	48	81	0					
GP157	118	74			4	0	0	48	81	0					
GP157	118	76			4	0	0	48	81	0					
GP157	118	78	1.74		4	0	0	48	81	0					
GP157	118	80			4	0	0	45	85	0					
GP157	118	82			4	0	0	45	85	0					
GP157	118	84			4	0	0	45	85	0					
GP157	118	86			4	0	0	45	85	0					
GP157	118	88			4	0	0	45	85	0	69.5	52.9	28.1	5.2	186.1
GP157	118	90	1.92		4	0	0	45	85	0	81.6	49.3	29.9	4.6	153.4
GP157	118	92			4	1	0	45	85	0	77.2	45.6	25.1	5.4	215.8
GP157	118	94			4	0	0	45	85	0	85.3	33	24	4.9	205.2
GP157	118	96			4	0	0	45	85	0	90.1	31.6	25	5	200.4
GT154	79	0			3					0					
GT154	79	1			3					0					
GT154	79	3			3					0					
GT154	79	5			3					0					
GT154	79	7			3					0					
GT154	79	8			3					0					
GT154	79	9			4					0					
GT154	79	11			4					0					
GT154	79	13			4			34	90	0	70.5	64.7	40.4	2.9	71.7
GT154	79	15			4			34	90	0	65	51.2	50.4	2.8	56.3
GT154	79	17			4			34	90	0	84.8	39.5	23.4	3.4	147
GT154	79	19	12.21	1676.52	4			34	90	0	89.9	29	25.6	3.3	127.1
GT154	79	21			4			34	90	0	106.1	18.9	27.7	3.9	140.2
GT154	79	23			4	0	0	34	90	0	128.1	15.8	21.1	3.5	166.4
GT154	79	25			4	0	0	34	90	0	129.7	15.3	23.8	4.2	175.1
GT154	79	27			4	0	0	34	90	0	136	11.6	26.7	3.8	144.1
GT154	79	29			4	0	0	34	90	0	139.5	11.7	24	3.6	149.9
GT154	79	31			4	0	0	34	90	0	136.8	9.7	25.6	3.4	131.4
GT154	79	33			4	0	0	34	90	0	126.1	8.4	26.7	3.3	122.8
GT154	79	35			4	0	0	31	75	0	117.8	9.1	21.9	3.2	145.6
GT154	79	37			4	0	0	31	75	0	184.5	6.4	25.5	3.3	127.8
GT154	79	39			4	0	0	31	75	0	163.1	7.8	30.5	3.6	117.6
GT154	79	41			4	0	0	31	75	0	143.6	7.6	26.4	3.3	126.1
GT154	79	43	3.39	278.1	4	0	0	31	75	0	156	6.9	26.9	3	113.1
GT154	79	45			4	0	0	31	75	0	161	5.8	24	2.6	108.7
GT154	79	47			4	0	0	31	75	0	160.8	6.7	27.5	3.3	119.6
GT154	79	49			4	0	0	31	75	0	153.6	5.3	26.5	2.9	108.7
GT154	79	51			4	0	0	31	75	0	148	5.1	24.9	2.8	111.5
GT154	79	53			4	0	0	31	75	0	181	6.5	27.8	3.5	125
GT154	79	55			4	0	0	31	75	0	207.2	5.3	26.7	2.9	109
GT154	79	57			4	0	0	31	75	0	204.2	5.3	26.6	2.7	103.1
GT154	79	59			2	0	0	35	82	0	175.3	6.9	26.4	3.1	116.8
GT154	79	61			2	0	0	35	82	0	206.6	5.3	24	2.4	100.9
GT154	79	63			2	0	0	35	82	0	233.9	5.2	27	2.8	102.7
GT154	79	65			2	0	0	35	82	0	208.3	6.5	28	2.9	102.5
GT154	79	67	2.05	206.19	2	0	0	35	82	0	252.3	4.7	25.8	2.3	89
GT154	79	69			2	0	0	35	82	0	325.6	4.9	26.7	2.4	88.9
GT154	79	71			3	0	0	35	82	0	352.6	5.9	28.8	2.7	92.6
GT154	79	73			3	0	0	35	82	0	369.8	5.1	24.9	2.2	88.9
GT154	79	75			3	0	0	35	82	0	360.1	4	35.9	2.5	70.7

GT154	79	77			3	0	0	35	82	0	394.6	5	25.1	2.2	87.2	
GT154	79	79			3	0	0	35	82	0	423.8	4	24.2	2.3	95.2	
GT154	79	81			3	0	0	35	82	0	451.3	4.6	23.9	2.5	103.2	
GT154	79	83			3	0	0	35	82	0	441.8	4.8	25.9	2.7	103.3	
GT154	79	85			3	0	0	50	102	0	410.9	4.6	25	2.5	101.2	
GT154	79	87			3	0	0	50	102	0	472.5	4.4	26	2.5	96.9	
GT154	79	89			3	0	0	50	102	0	448.3	3.4	30.8	1.7	56.3	
GT154	79	91	2.03	382.93	3	0	0	50	102	0	168.8	3	23.8	3.2	135.2	
GT154	79	93			3	0	0	50	102	0	210.9	3.5	24	3.3	137.1	
GT154	79	95			3	0	0	50	102	0	180.7	2.1	24.4	3.8	155.5	
GT154	79	97			3	0	0	50	102	0	175.2	3	22.2	3.2	144.1	
GT154	79	99			3	0	0	50	102	0	227.6	2.9	21.6	3	138.1	
GT154	79	101			3	0	0	50	102	0	246.4	2.7	24.2	3	123.9	
GT154	79	103			3	0	0	50	102	0	211.1	2.5	25.4	3.2	125.1	
GT154	79	105			3	0	0	50	102	0	195.4	2.4	25.9	3.2	124.8	
GT154	79	107			3	0	0	50	102	0	78.5	2.3	23.4	3.3	141.2	
GT154	79	109			4	0	0	58	115	0	286.3	2	25.7	3	117.8	
GT154	79	111			4	0	0	58	115	0	277.4	2.2	28.9	3.9	136	
GT154	79	113			4	0	0	58	115	0	300.5	2.2	24.9	3.3	134.1	
GT154	79	115	0.89	406.03	4	0	0	58	115	0	309.9	2.2	21.2	3.5	163.4	
GT154	79	117			4	0	0	58	115	0	419.7	1.3	18.4	2.8	152.7	
GT154	79	119			3	0	0	58	115	0	468.4	1.1	17.8	3.1	176.3	
GT154	79	121			3	0	0	58	115	0	731.8	1.4	17.1	1.6	95.4	
GT154	79	123			3	0	0	58	115	0	338	2	18.2	2.9	158.8	
GT154	79	125			3	0	0	58	115	0	313.5	2.2	17.3	2.7	153.7	
GT154	79	127			3	0	0	58	115	0	236	3.3	18.6	3	159.1	
GT154	79	129			3	0	0	58	115	0	304.8	3	18.2	2.8	152	
GT154	79	131			3	0	0	58	115	0	56.5	3.1	20.1	5	249.2	
GT154	79	133			3	0	0	58	115	0						
GT154	79	135			3	0	0	58	115	0	321	3	20.9	3.5	169.3	
GT154	79	137			3	0	0	58	115	0	270.1	3	19.8	4.2	213.3	
GT154	79	139			3	0	0	58	115	0	482.3	2.7	18.1	4.2	232.7	
GT154	79	141			3	0	0	58	115	0	210.8	2.3	19.5	3.6	183.5	
GT154	79	143			3	0	0	58	115	0	260.4	2.9	18.6	3.8	203.5	
GT154	79	145			3	0	0	58	115	0	458.8	2.4	20.7	6.9	335.3	
GT154	80	0			3					0						
GT154	80	1			3					0						
GT154	80	3			3					0						
GT154	80	5			3					0						
GT154	80	7			3					0						
GT154	80	8			3					0						
GT154	80	9			4					0						
GT154	80	11			4					0						
GT154	80	13			4			39	91	0	223.4	87.2	52.5	4.6	87.9	
GT154	80	15			4			39	91	0	190.3	67.2	45.5	4.6	101.1	
GT154	80	17			4			39	91	0	184.2	41.1	24.8	4.9	198.4	
GT154	80	19			4			39	91	0	180	37.7	25.7	5.3	206.1	
GT154	80	21	5.41	579.52	4			39	91	0	172.1	31.8	25.8	5	192.9	
GT154	80	23			4	0	0	39	91	0	198.8	23.9	23.6	5.2	221.8	
GT154	80	25			4	0	0	39	91	0	183.9	26.6	25.4	5.1	199.7	
GT154	80	27			4	0	0	39	91	0	178.6	26.3	23.6	4.9	206	
GT154	80	29			4	0	0	39	91	0	167.5	22.1	24.2	5	204.4	
GT154	80	31			4	0	0	39	91	0	161	22.7	23.1	4.9	212.1	
GT154	80	33			4	0	0	39	91	0	147.4	22	22.7	4.6	201	
GT154	80	35			4	0	0	29	72	0	136.7	18.8	22.5	4.7	210.5	
GT154	80	37			4	0	0	29	72	0	132.4	18	21.2	4.8	225.6	
GT154	80	39			4	0	0	29	72	0	125.4	16.6	24.2	5.3	217.4	
GT154	80	41			4	0	0	29	72	0	120.5	19.5	19.7	4.8	244.2	
GT154	80	43	3.33	168.73	4	0	0	29	72	0	103.8	14.8	20.8	4.4	213.5	
GT154	80	45			4	0	0	29	72	0	106.4	12.8	20.8	4.5	216.8	
GT154	80	47			4	0	0	29	72	0	101.6	10.5	21.5	4.7	218.5	
GT154	80	49			4	0	0	29	72	0	96.1	9.5	21.2	4.9	229.4	
GT154	80	51			4	0	0	29	72	0	87.2	7.5	20.2	4.7	230.7	
GT154	80	53			4	0	0	29	72	0	91.9	6.2	20.1	4.6	227.7	
GT154	80	55			4	0	0	29	72	0	103	5.7	21.1	4.9	230.9	
GT154	80	57			4	0	0	29	72	0	86.3	4.9	21.2	4.7	220.4	
GT154	80	59			2	0	0	49	98	0	80.8	4.2	21.5	4.8	221.4	
GT154	80	61			2	0	0	49	98	0	135.5	3.5	21.9	4.5	204.4	

GT154	80	63			2	0	0	49	98	0	102.1	3.8	23.4	5.1	217.1
GT154	80	65			2	0	0	49	98	0	79.2	3.1	23.1	4.9	211.1
GT154	80	67	2.39	241.84	2	0	0	49	98	0	85.3	3.1	21.8	4.8	221
GT154	80	69			2	0	0	49	98	0	72.9	2.6	22.6	4.9	214.9
GT154	80	71			3	0	0	49	98	0	64.4	3.1	22.3	4.6	205.4
GT154	80	73			3	0	0	49	98	0	77.4	2.4	23.2	4.6	199.5
GT154	80	75			3	0	0	49	98	0	58.4	1.5	34.1	5	146.2
GT154	80	77			3	0	0	49	98	0	95.6	2.4	20.5	4.4	212
GT154	80	79			3	0	0	49	98	0	78	4.3	22.9	5.5	239
GT154	80	81			3	0	0	49	98	0	65.3	2.1	21.6	5.1	235.6
GT154	80	83			3	0	0	49	98	0	59.6	2.4	21.1	4.9	233.3
GT154	80	85			3	0	0	62	121	0	108.4	2.2	23.7	5.5	230.1
GT154	80	87			3	0	0	62	121	0	59	2.1	23	5.1	222.8
GT154	80	89			3	0	0	62	121	0	83.6	1.4	22.7	6.1	269.4
GT154	80	91	1.83	198.84	3	0	0	62	121	0	54.7	2	23.8	5.5	230.2
GT154	80	93			3	0	0	62	121	0	97.6	2	22.5	4.5	200.2
GT154	80	95			3	0	0	62	121	0	62.3	2	23.2	5	216.1
GT154	80	97			3	0	0	62	121	0	80.6	1	22.3	5.1	230.4
GT154	80	99			3	0	0	62	121	0	101	1.8	23.1	5.1	220.9
GT154	80	101			3	0	0	62	121	0	154.8	1	21.8	4.8	221.1
GT154	80	103			3	0	0	62	121	0	78.3	1.6	24.7	5.4	219.8
GT154	80	105			3	0	0	62	121	0	67.5	1.8	23.3	5.4	231.1
GT154	80	107			3	0	0	62	121	0	220.2	1.6	23.4	5.9	251
GT154	80	109			4	0	0	67	134	0	98.4	1.7	25.5	6.4	249.7
GT154	80	111			4	0	0	67	134	0	119.4	1.6	26.3	7	265.4
GT154	80	113			4	0	0	67	134	0	66.4	1	24.2	6.6	270.9
GT154	80	115	1.74	212.52	4	0	0	67	134	0	86	2.1	20.2	5.5	273.9
GT154	80	117			4	0	0	67	134	0	76.8	1.2	19.4	5	258.1
GT154	80	119			3	0	0	67	134	0	77.1	1	19.3	5.5	283.7
GT154	80	121			3	0	0	67	134	0	184.3	2.4	18	5.5	305.6
GT154	80	123			3	0	0	67	134	0	77.5	1	19.1	5.2	273.1
GT154	80	125			3	0	0	67	134	0	48.5	1.8	18.6	4.9	262.5
GT154	80	127			3	0	0	67	134	0	43.1	3	19.5	5.6	285.6
GT154	80	129			3	0	0	67	134	0	30.4	3.5	19.5	5.4	277.5
GT154	80	131			3	0	0	67	134	0	55.4	3.2	18.2	2.9	162.3
GT154	80	133			3	0	0	67	134	0					
GT154	80	135			3	0	0	67	134	0	54.6	2.7	21.7	6.1	280.2
GT154	80	137			3	0	0	67	134	0	27.2	3	18.5	5.5	297.4
GT154	80	139			3	0	0	67	134	0	60.7	2.8	19.6	6.4	325.6
GT154	80	141			3	0	0	67	134	0	31.7	3	22.1	6.2	280.4
GT154	80	143			3	0	0	67	134	0	54.6	2.9	19.1	5.1	267.4
GT154	80	145			3	0	0	67	134	0	96.6	2.6	21.2	5.6	264.6
GT154	80	147			3	0	0	67	134	0	45.5	3	20.6	5.6	271.2
GT154	80	149			4	0	0	67	134	0	73.2	2.6	21.3	6	282.1
GT154	80	151			4	0	0	67	134	0	31.3	3.4	21.7	7.3	337.5
GT154	80	153			4	0	0	67	134	0	26.6	3.7	20.4	7.9	386.6
GT154	80	155			4	0	0	67	134	0	57.9	3.7	20.7	7.3	353.8
GT154	80	157			4	0	0	67	134	0	77.3	1	23.6	7.5	317.4
GT154	80	159			4	0	0	50	92	0	108	2.4	24.4	8.3	341.7
GT154	80	161			4	0	0	50	92	0	134.7	1.8	23.2	8.2	352.2
GT154	80	163			4	0	0	50	92	0	169.7	3.6	24.2	8.4	347.1
HC141	176	0			1					0					
HC141	176	2			6					0					
HC141	176	4			3					0					
HC141	176	6			3					0					
HC141	176	8			3					0					
HC141	176	10			3					0					
HC141	176	12			3					0					
HC141	176	14			3					0	49.1	69.1	20.3	2.1	104.2
HC141	176	16			3					0					
HC141	176	18			3	0	0			0	66.7	74.5	20	3.3	165.3
HC141	176	20	4.61	1900.44	3	0	0			0	64.9	69.7	21.9	4.8	217.5
HC141	176	22			3	0	0			0	61.9	46.7	21.3	3.7	173.1
HC141	176	24			3	0	0			0		33.5	38.3	3.5	91.6
HC141	176	26			3	0	0			0	88.5	35.3	20.7	4	194.8
HC141	176	28			3	0	0			0	16.2	36.6	21.7	4	185.2
HC141	176	30			3	0	0	84	138	0	117.6	28.7	18.8	3.7	196.1
HC141	176	32	5.05	624.18	3	0	0	84	138	0	86.5	33.5	18	4	219.9

HC141	176	34			3	0	0	84	138	0	90.2	34.4	18.6	4.6	245.7
HC141	176	36			3	0	0	84	138	0	101.9	26.4	19	3.7	193.2
HC141	176	38			3	0	0	84	138	0	94.9	29	18.1	4.6	251.4
HC141	176	40			3	0	0	84	138	0	95.6	26.2	18.9	4.1	219.2
HC141	176	42			3	0	0	84	138	0				0.4	
HC141	176	44			3	0	0	84	138	0	83	19.6	19	4.4	229.8
HC141	176	46			3	0	0	84	138	0	98.5	17.2	19.7	4.2	210.9
HC141	176	48			2	0	0	84	138	0	104.1	12.8	17.9	3.9	216.8
HC141	176	50			2	0	0	84	138	0	87.5	13.1	18.8	5	264.3
HC141	176	52			2	0	0	84	138	0	70.8	14.1	18.9	4.9	259.5
HC141	176	54			2	0	0	84	138	0	81.3	10.2	19	4.8	249.7
HC141	176	56			2	0	0	84	138	0	107	8.8	17.6	4.3	243.6
HC141	176	58			2	0	0	84	138	0	171.4	8.5	19.2	4.8	249.8
HC141	176	60			2	0	0	84	138	0	289	7.3	17.9	4.2	232.5
HC141	176	62			2	0	0	84	138	0	252.7	6.3	17.5	4.1	234.3
HC141	176	64			2	0	0	84	138	0	208.6	6.4	19	4.2	221.8
HC141	176	66			2	0	0	84	138	0	206.5	5.2	19.5	4.2	214.3
HC141	176	68	1.48	29.1	2	0	0	84	138	0	237.7	5	19.5	4.8	247.9
HC141	176	70			2	0	0	84	138	0	438.1	5.1	18.7	4.7	253.6
HC141	176	72			2	0	0	84	138	0	421.7	3.5	19.3	4.8	246
HC141	176	74			2	0	0	84	138	0	483.7	4.8	20.4	5.6	272.7
HC141	176	76			2	0	0	84	138	0	480.6	4	18.5	4.8	260
HC141	176	78	1.19	46.25	2	0	0	84	138	0	520.4	3.5	18.8	5	268
HC141	176	80			2	0	0	84	138	0	493.7	4.3	18.8	5.4	285.4
HC141	176	82			2	0	0	84	138	0	432.2	3.9	19.6	5.2	267.2
HC141	176	84			2	0	0	84	138	0					
HC141	176	86			2	0	0	84	138	0	388	3.1	20.1	5.3	262.4
HC141	176	88			2	0	0	120	213	0	497.7	3	20	4.7	235.1
HC141	176	90			2	0	0	120	213	0	331.7	2.7	20.2	5.5	270.1
HC141	176	92	1.13	52.57	2	0	0	120	213	0	285.8	3	20.9	5.5	265.5
HC141	176	94			2	0	0	120	213	0	460.6	2.9	21.9	5.3	243.1
HC141	176	96			2	0	0	120	213	0	454.5	3.2	24.6	5.4	218.7
HC141	176	98			2	0	0	120	213	0	303.2	3.2	22.5	5.6	250.1
HC141	176	100			2	0	0	120	213	0	335.6	2.8	22.8	5.5	240.1
HC141	176	102			2	1	0	120	213	0	303.3	2.7	21.5	5.1	237.7
HC141	176	104			2	0	0	120	213	0	431.4	2.4	20.6	4.7	229.2
HC141	176	106			2	0	0	120	213	0	430	2.4	21.7	5.6	258.1
HC141	176	108			2	0	0	120	213	0					
HC141	176	110			2	0	0	120	213	0	248.7	3.4	21.7	5.7	260.3
HC141	176	112			2	0	0	92	148	0	271.4	2.7	19.9	4.8	242.9
HC141	176	114			2	0	0	92	148	0	207	2.7	20.4	5.3	257.9
HC141	176	116	1.13	93.34	2	0	0	92	148	0	260.8	2.6	21.7	5.2	238.4
HC141	176	118			2	0	0	92	148	0	198.6	2.3	23.6	5.8	243.5
HC141	176	120			2	0	0	92	148	0	226.5	2.7	21.5	5.6	262.6
HC141	176	122			2	0	0	92	148	0	513	2.3	23.6	5.3	224.5
HC141	176	124			2	0	0	92	148	0	417.7	2.2	21.7	5.5	252.1
HC141	176	126			2	0	0	92	148	0	438	2.1	22.3	5.4	239.4
HC141	176	128			2	0	0	92	148	0	345.2	3.2	22.6	5.2	229.2
HC141	176	130			2	0	0	75	111	0	211.4	3.1	20	4.8	240.5
HC141	176	132			2	0	0	75	111	0	200	2.9	20.2	5.4	264.9
HC141	176	134			2	0	0	75	111	0	294.7	2.9	21.1	5.6	266.8
HC141	176	136			2	0	0	75	111	0	438.4	2.9	20.5	5.4	263.2
HC141	176	138			2	0	0	75	111	0	303.8	2.3	20.5	5.5	267.9
HC141	176	140			2	0	0	75	111	0	374.1	2.5	20.1	4.9	240.8
HC141	176	142			2	0	0	75	111	0	268	3.4	20.1	5.7	281.3
HC141	176	144			2	0	0	75	111	0	67.1	3.6	18.3	2.5	138.5
HC141	176	146			2	0	0	75	111	0	389.2	2.5	21.5	4.9	227.7
HC141	176	148			2	0	0	75	111	0	107.9	9.9	16.4	2.4	144.1
HP171	142	0			1					0					
HP171	142	2			1					0					
HP171	142	4			1					0					
HP171	142	6			1					0					
HP171	142	8			1					0					
HP171	142	10			1					0					
HP171	142	12			1					0					
HP171	142	14			1					0					
HP171	142	16			1					0					
HP171	142	18			1					0					

HP171	142	20		1						0					
HP171	142	22		1						0					
HP171	142	24		1						0					
HP171	142	26		3						0					
HP171	142	28		3						0					
HP171	142	30		3						0					
HP171	142	32		3						0					
HP171	142	34		3						0					
HP171	142	36		3	0	0				0	259	31.4	29.9	4.6	153.5
HP171	142	38		3	0	0				0	150.6	68.9	29.3	5.1	175.5
HP171	142	40		3	0	0				0	99.8	69.4	25.5	5.1	201.7
HP171	142	42		3	0	0				0	101.3	61.8	28.4	4.6	161.7
HP171	142	44	15.74	3	0	0	85	165	0	107.6	53.7	29.3	4.2	144.6	
HP171	142	46		3	0	0	85	165	0	102.3	49.2	30.5	4	131.3	
HP171	142	48		3	0	0	85	165	0						
HP171	142	50		3	0	0	85	165	0	74.6	29.3	44.2	8.2	186.2	
HP171	142	52		3	0	0	85	165	0	74.3	28.8	27.3	5	184.1	
HP171	142	54		3	0	0	85	165	0	254.4	39.3	28.5	6.2	217.3	
HP171	142	56	5.43	3	0	0	85	165	0	170.1	12.3	22.4	6.1	273.7	
HP171	142	58		3	0	0	85	165	0	190.7	7	28.2	4.7	167.9	
HP171	142	60		3	0	0	85	165	0	333	8.2	23	6.3	275.7	
HP171	142	62		3	0	0	85	165	0	270.7	6.1	21.7	5.7	264.4	
HP171	142	64		3	0	0	85	165	0	341.9	4.1	21.7	6.3	289.5	
HP171	142	66		3	0	0	85	165	0	411	4.1	24.4	6.9	281.1	
HP171	142	68	2.45	3	0	0	83	137	0	974.8	5.1	22.7	7.5	330.6	
HP171	142	70		3	0	0	83	137	0						
HP171	142	72		3	0	0	83	137	0						
HP171	142	74		3	0	0	83	137	0	80	104.1	24.9	3.7	147.7	
HP171	142	76		3	0	0	83	137	0	99.2	102.9	32.2	6.9	213.9	
HP171	142	78		2	0	0	83	137	0	106.7	58.9	34.8	8.3	238	
HP171	142	80		2	0	0	83	137	0	129.2	35.6	34.4	8.4	243.5	
HP171	142	82	2.59	2	0	0	83	137	0	155.7	29.8	24.7	6.8	274.8	
HP171	142	84		2	0	0	83	137	0	161	28.6	25.5	6.3	246	
HP171	142	86		2	0	0	83	137	0	169	26.7	26.4	6.1	231.4	
HP171	142	88		2	0	0	83	137	0	207.1	24.6	27.2	5.8	214.1	
HP171	142	90		2	0	0	83	137	0	206.3	27.7	24.9	5.6	225.6	
HP171	142	92		2	0	0	83	137	0	204.1	21.4	21.3	4.8	223.5	
HP171	142	94	1.37	2	0	0	83	137	0	206.4	22.5	22.7	5.3	235.2	
HP171	142	96		2	0	0	74	131	0	290.6	18.9	23.1	4.9	210.9	
HP171	142	98		2	0	0	74	131	0	365.5	18.5	25.5	4.3	169	
HP171	142	100		2	0	0	74	131	0	248.1	20.1	23.4	4.5	192.6	
HP171	142	102		2	0	0	74	131	0	194.5	21.6	24.3	4.3	176.1	
HP171	142	104		2	0	0	74	131	0	244.8	18.3	24.5	4.1	165.9	
HP171	142	106	1.36	2	0	0	74	131	0	244.1	25.9	25.9	5.1	199	
HP171	142	108		2	0	0	74	131	0	274.2	20.5	24.6	4.3	175.8	
HP171	142	110		2	0	0	74	131	0	313.1	19.1	25.1	4	160.6	
HP171	142	112		2	0	0	74	131	0	370	22.2	23.2	4.2	182.4	
HP171	142	114		2	0	0	74	131	0	387.8	27.5	25.8	4.8	185	
HP171	142	116		2	0	0	112	182	0	348.7	31.9	25.6	4.8	189	
HP171	142	118	1.21	2	0	0	112	182	0	440.3	30.3	25	5.9	237.7	
HP171	142	120		2			112	182	0	399.4	31.5	26.5	6	225.1	
HP171	142	122		2			112	182	0	438	25.7	26.4	5.4	204.7	
HP171	142	124		2			112	182	0	164.2	30.4	27.2	5.5	202.8	
HP171	142	126		2			112	182	0	306.7	31.8	26.9	5.6	207.3	
HP171	142	128		2			112	182	0	141.5	43.2	27.2	5.5	204.1	
HP171	142	130	1.64	2			112	182	0	132.1	37.1	26.9	5.9	219	
HP171	142	132		2			112	182	0	148.7	36.3	28.3	6	212	
HP171	142	134		2			112	182	0	305.8	32.3	26.2	5.6	214.7	
HP171	142	136		2			112	182	0	317.8	31.7	28.2	5.3	186.6	
HP171	142	138		2			112	182	0	284.6	33.4	29.3	5.4	185.7	
HP171	142	140		2			112	182	0	357	29.8	30.9	5.7	183.8	
HP171	142	142	0.72	2			105	177	0	206.9	28	24.9	5	199.3	
HP171	142	144		2			105	177	0	213	27.3	28	4.5	159.7	
HP171	142	146		2			105	177	0	245.3	34.6	30.8	5.3	171.9	
HP171	142	148		2			105	177	0	189.3	38.9	28.4	5.3	188.5	
HP171	142	150		2			105	177	0	150.9	34.2	26.6	4.7	177.6	
HP171	142	152		2			105	177	0	187.8	34.1	31.2	4.9	155.5	
HP171	143	0		1					0						

HP171	143	2		1						0					
HP171	143	4		1						0					
HP171	143	6		1						0					
HP171	143	8		1						0					
HP171	143	10		1						0					
HP171	143	12		1						0					
HP171	143	14		1						0					
HP171	143	16		1						0					
HP171	143	18		1						0					
HP171	143	20		1						0					
HP171	143	22		1						0					
HP171	143	24		1						0					
HP171	143	26		3						0					
HP171	143	28		3						0					
HP171	143	30		3						0					
HP171	143	32		3						0					
HP171	143	34		3						0					
HP171	143	36		3	0	0				0	158.2	30.5	29.3	4.4	151.6
HP171	143	38		3	0	0				0	120.6	43.3	32.8	4.6	139.3
HP171	143	40		3	0	0				0	113	47.7	26.8	4.9	181.7
HP171	143	42		3	0	0				0	90.4	48.1	28.3	4.5	160.4
HP171	143	44	19.26	3	0	0	76	120	0	101.2	48.7	31.4	4.4	139.3	
HP171	143	46		3	0	0	76	120	0	77.7	40	28.8	3.8	132.7	
HP171	143	48		3	0	0	76	120	0	111.4	50.6	34.2	3.6	105.3	
HP171	143	50		3	0	0	76	120	0	90.1	53.1	32.2	4.8	148.7	
HP171	143	52		3	0	0	76	120	0	126	50.3	34.4	4.4	127.9	
HP171	143	54		3	0	0	76	120	0	205.8	57.6	33.8	4.7	138.5	
HP171	143	56	4.79	3	0	0	76	120	0	167.3	56.4	32.1	4.6	144.1	
HP171	143	58		3	0	0	76	120	0	104.2	49.6	30.7	4.6	150.1	
HP171	143	60		3	0	0	76	120	0	95	42.5	31.2	4.7	149.1	
HP171	143	62		3	0	0	76	120	0	144.7	41.5	31	4.4	140.9	
HP171	143	64		3	0	0	76	120	0	212.9	49.4	29	4.9	168.5	
HP171	143	66		3	0	0	76	120	0	205.4	49.3	31.4	4.9	156.1	
HP171	143	68	1.07	3	0	0	79	130	0	204.9	39.7	27.8	4.8	172.1	
HP171	143	70		3	0	0	79	130	0	144	41.4	26.3	5.8	219.1	
HP171	143	72		3	0	0	79	130	0	134	33.9	28.3	5.8	204.7	
HP171	143	74		3	0	0	79	130	0	191.2	23.8	24.3	6.7	275.8	
HP171	143	76		3	0	0	79	130	0	166.8	8	21.8	6.6	301.9	
HP171	143	78		2	0	0	79	130	0	275.6	6.9	24	6.9	288.1	
HP171	143	80	1.69	2	0	0	79	130	0	46.7	7.9	21.6	7.7	357.5	
HP171	143	82		2	0	0	79	130	0						
HP171	143	84		2	0	0	79	130	0						
HP171	143	86		2	0	0	79	130	0	79.5	75.3	22.2	3.6	160.3	
HP171	143	88		2	0	0	79	130	0	110.6	41.9	27.4	5.6	206.1	
HP171	143	90		2	0	0	79	130	0	123.5	29.4	33.1	7.7	232.2	
HP171	143	92	1.26	2	0	0	79	130	0	146	22.1	33.5	7.6	227.2	
HP171	143	94		2	0	0	79	130	0	201.7	17.2	25	6.4	256.4	
HP171	143	96		2	0	0	93	158	0	254.8	15.5	23.5	6.2	265.3	
HP171	143	98		2	0	0	93	158	0	264.3	14.9	23.7	5.9	247.9	
HP171	143	100		2	0	0	93	158	0	349.5	13.2	26.1	4.9	187.7	
HP171	143	102		2	0	0	93	158	0	357.1	17.3	24.4	5.3	217.4	
HP171	143	104		2	0	0	93	158	0	350.8	16.5	23.5	5.5	231.8	
HP171	143	106	0.56	2	0	0	93	158	0	410.5	23.7	24.4	4.9	201.8	
HP171	143	108		2	0	0	93	158	0	422.2	13.1	27.3	4.6	169.7	
HP171	143	110		2	0	0	93	158	0	489.4	24.5	28.4	4.9	170.9	
HP171	143	112		2	0	0	93	158	0	579.1	16.2	26.2	4.5	173.3	
HP171	143	114		2	0	0	93	158	0	416.8	18.2	27.4	4.2	154	
HP171	143	116		2	0	0	108	183	0	473.9	17.4	27.8	5.3	189.1	
HP171	143	118	1.53	2	0	0	108	183	0	598.6	16.6	24.8	4.7	189.4	
HP171	143	120		2			108	183	0	655.6	12.7	33.1	5.5	164.7	
HP171	143	122		2			108	183	0	575	21.5	27.5	4	146.5	
HP171	143	124		2			108	183	0	373.1	18.8	25.3	4.8	189.5	
HP171	143	126		2			108	183	0	285.8	35.1	25.9	5.3	202.6	
HP171	143	128		2			108	183	0	301.3	27.8	26.2	5	189.7	
HP171	143	130		2			108	183	0	286.9	28.8	26.6	5.6	210.1	
HP171	143	132	1.67	2			108	183	0	235.9	34.8	28.7	5.6	195.1	
HP171	143	134		2			108	183	0	185.6	30.2	26.8	5.2	192.9	
HP171	143	136		2			108	183	0	404.4	25.1	27.1	5.6	206.9	

HP171	143	138		2			108	183	0	172	44.9	27.7	6.2	224.1
HP171	143	140		2			108	183	0	412.3	33.5	36.9	6.5	177.4
HP171	143	142		2			53	80	0	291.8	29.1	26.4	5.8	219.4
HP171	143	144	1.51	2			53	80	0	301.2	31.9	29.1	6	205.2
HP171	143	146		2			53	80	0	147	35.1	27.3	5.6	203.6
HP171	143	148		2			53	80	0	119.5	35.4	28	5.5	195.9
HP171	143	150		2			53	80	0	104.9	48.7	29.4	6.3	215.6
HP171	143	152		2			53	80	0	125.5	35.6	31.7	5.8	182.9
HP171	143	154		2			53	80	0	138.6	37.6	27.6	5.5	197.5
HP171	143	156	1.85	2			53	80	0	159	39.3	32.2	5.9	181.8
HP171	143	158		2			53	80	0	154.3	35	27.8	5.2	188.1
HP171	143	160		2			53	80	0	163.7	48.7	27.9	6.1	220.2
HP171	143	162		2			53	80	0	148.5	36.4	28.3	5.4	189.9
HP171	143	164		2			53	80	0	142.8	36	27.6	5.1	186.2
IC134	120	0		8					0					
IC134	120	2		8					0					
IC134	120	4		8					0					
IC134	120	6		8					0					
IC134	120	8		8	1	1			0					
IC134	120	10		6	1	1			0					
IC134	120	12		6	0	0			0					
IC134	120	14		6	0	0			0					
IC134	120	16		6	0	0			0					
IC134	120	18		6	0	0			0					
IC134	120	20		6	0	0			0					
IC134	120	22		6	0	0			0					
IC134	120	24		6	0	0			0					
IC134	120	26		6	0	0			0					
IC134	120	28		6	1	1			0					
IC134	120	30		6	0	1			0					
IC134	120	32		6	0	1			0					
IC134	120	34		6	0	1			0					
IC134	120	36		6	0	1			0					
IC134	120	38		6	0	0			0	107.3	63.6	31.8	4.1	129.3
IC134	120	40		6	0	0			0	101.8	43.1	29.7	4.1	139.5
IC134	120	42		6	0	0			0	99.6	31.4	37.3	4.8	129.7
IC134	120	44		6	0	0			0	108.2	23.8	31.2	4.6	146.2
IC134	120	46		6	0	0			0					
IC134	120	48	35.94	6	0	0	82	139	0					
IC134	120	50		6	0	0	82	139	0	183.4	8.3	26.9	6.4	237
IC134	120	52		6	1	0	82	139	0	75.8	11.7	24.9	7.1	285.2
IC134	120	54		6	1	1	82	139	0	230.5	12.3	28.7	7	243.2
IC134	120	56		6	1	1	82	139	0	205.8	11.8	26.1	6	230.1
IC134	120	58		6	1	0	82	139	0	178.1	12.9	23.2	5.4	234.2
IC134	120	60	17.57	6	1	0	82	139	0	152.7	8.2	24.3	4.1	170.1
IC134	120	62		6	1	0	82	139	0	142.3	11.6	25.6	5.6	218
IC134	120	64		6	0	0	82	139	0	119.3	7	27.6	4.7	169.5
IC134	120	66		6	0	0	82	139	0	103.2	7.9	26.5	4.7	176.3
IC134	120	68		6	0	0	82	139	0	87.3	7.7	27.3	4.4	161.4
IC134	120	70		6	0	0	82	139	0	96.4	7.5	25.1	3.8	153
IC134	120	72	5.94	6	0	0	82	139	0	108.8	7.1	26.4	4.3	164.8
IC134	120	74		6	0	0	82	139	0	104.6	5.8	25.8	4.1	157
IC134	120	76		6	0	0	82	139	0	82.8	6.4	24.6	3.5	143.1
IC134	120	78		6	0	0	82	139	0	81	6.1	25.6	4	156.1
IC134	120	80		6	0	0	82	139	0	80.6	5.8	24.4	3.8	154
IC134	120	82		6	0	0	75	112	0	80.7	6.8	28.7	3.5	122.3
IC134	120	84	3.4	6	0	0	75	112	0	101.3	6.1	26.2	3.3	124.3
IC134	120	86		6	0	0	75	112	0	134.6	6.6	24.8	3.9	158.6
IC134	120	88		6	0	0	75	112	0	143	5.5	23.3	3.4	147
IC134	120	90		6	0	0	75	112	0	147.9	7.4	25.5	3.9	153.3
IC134	120	92		6	0	0	75	112	0	185.4	5.7	28.3	3.4	121.5
IC134	120	94		6	0	0	75	112	0	200.4	6.1	24.1	3.5	144.4
IC134	120	96	1.54	6	0	0	75	112	0	217.1	4.7	25	3.5	141.7
IC134	120	98		6	0	0	75	112	0	289.9	7.8	25	3.6	142.8
IC134	120	100		6	0	0	75	112	0	231.7	5.6	27	5.4	200.3
IC134	120	102		6	0	0	75	112	0	245.6	5.4	25.4	5.2	204
IC134	120	104		6	0	0	75	112	0	336.4	6.1	24.8	3.3	134.6
IC134	120	106		6	0	0	75	112	0	224.1	5.7	23	4.4	191.6

IC134	120	108	1.43	6	0	0	75	112	0	224.8	5.5	26	4.2	162.2	
IC134	120	110		6	0	0	75	112	0	192.5	6.4	25.1	4	159.9	
IC134	120	112		6	0	0	75	112	0	205.5	6.6	26.7	4.5	167.6	
IC134	120	114		6	0	0	75	112	0	216.4	6.4	26.5	5.8	218.1	
IC134	120	116		6	0	0	75	112	0	215.9	5.3	26.2	4.4	168.6	
IC134	120	118		6	0	0	75	112	0						
IC134	120	120	1.49	6	0	0	137	206	0	181.7	5.1	25.3	5.9	232.9	
IC134	120	122		6	0	0	137	206	0	208.2	4.6	29.7	4.3	144.3	
IC134	120	124		6	0	0	137	206	0	208	4.4	26.9	5.6	208.2	
IC134	120	126		6	0	0	137	206	0	202.1	3.6	30.4	6.5	212.5	
IC134	120	128		6	0	0	137	206	0	217.9	8.4	25.3	5.6	222.8	
IC134	120	130		6	0	0	137	206	0	271.8	4.6	28.5	5.6	197.8	
IC134	120	132	1.11	6	0	0	137	206	0	310.1	4	25.3	5.7	225.3	
IC134	120	134		6	0	0	137	206	0	265.3	4.7	23.3	5.4	234.2	
IC134	120	136		6	0	0	137	206	0						
IC134	120	138		6	0	0	137	206	0	232.5	5.2	23.8	4.6	193.8	
IC134	120	140		6	0	0	137	206	0	192.5	4.6	25.1	4.4	175.1	
IC134	120	142		6	0	0	128	199	0	206	3.7	24.3	4.4	182.1	
IC134	120	144		6	0	0	128	199	0	180.2	3.3	24	4.9	204.9	
IC134	120	146	1.1	6	0	0	128	199	0	180.9	3.2	25.2	5.1	203.2	
IC134	120	148		6	0	0	128	199	0	208	4.3	26.5	5.3	200.8	
IC134	120	150		6	0	0	128	199	0	129.9	5	23.4	8.4	359.4	
IC134	120	152		6	0	0	128	199	0	197.7	5	22.8	5.1	223.7	
IC134	120	154		6	0	0	128	199	0	183.7	4.3	23.6	5.3	226.4	
IC134	120	156	0.47	6	0	0	128	199	0	149.4	4.4	25.3	6.3	247.5	
IC134	120	158		6	0	0	128	199	0	137.2	4.2	21.4	5.6	261.1	
IC134	120	160		6	0	0	128	199	0	157.9	4.8	24	5.6	234.1	
IC134	120	162		6	0	0	128	199	0	181.3	4	23.6	5.7	241.3	
IC134	120	164		6	0	0	128	199	0	124.1	4	20.8	5.2	250.2	
IC134	120	166		6	0	0	128	199	0	160	3.8	21	4.9	232.5	
IC134	120	168	0.81	6	0	0	136	215	0	142.6	3.4	21.1	5.5	262.2	
IC134	120	170		6	0	0	136	215	0	135.7	4.2	21.5	5.6	261.2	
IC134	120	172		6	0	0	136	215	0	132.1	4	20.3	5.1	254.1	
IC134	120	174		6	0	0	136	215	0						
IC134	120	176		6	0	0	136	215	0						
IC134	120	178		6	0	0	136	215	0						
IC134	120	180	0.48	6	0	0	136	215	0	112.8	19.8	29.7	4.1	137	
IC134	120	182		6	0	0	136	215	0	125	16.5	31	4	129	
IC134	120	184		6	0	0	136	215	0	129.4	16	29.1	4	138.3	
IC134	120	186		6	0	0	136	215	0	164.1	18.9	29.6	4.9	165.3	
IC134	120	188		6	0	0	136	215	0	188	23.3	27.9	5.6	200.1	
IC134	120	190		6	0	0	136	215	0	209	12.8	28.6	5.5	192.9	
IC134	120	192	1.93	6	0	0	148	224	0	134.2	10.1	24.2	5	207.1	
IC134	120	194		6	0	0	148	224	0	112.8	6.2	26.8	4.1	152.4	
IC134	120	196		6	0	0	148	224	0	178.6	4.5	29.2	5.3	181.4	
IC134	120	198		6	0	0	148	224	0	179.7	4.3	28	5.2	186	
IC134	121	0		8					0						
IC134	121	2		8					0						
IC134	121	4		8					0						
IC134	121	6		8					0						
IC134	121	8		8	1	1			0						
IC134	121	10		6	1	1			0						
IC134	121	12		6	0	0			0						
IC134	121	14		6	0	0			0						
IC134	121	16		6	0	0			0						
IC134	121	18		6	0	0			0						
IC134	121	20		6	0	0			0						
IC134	121	22		6	0	0			0						
IC134	121	24		6	0	0			0						
IC134	121	26		6	0	0			0						
IC134	121	28		6	1	1			0						
IC134	121	30		6	0	1			0						
IC134	121	32		6	0	1			0						
IC134	121	34		6	0	1			0						
IC134	121	36		6	0	1			0						
IC134	121	38		6	0	0			0	123.4	5.6	65.3	8.3	127.3	
IC134	121	40		6	0	0			0	118.2	74.4	45.5	7.1	155.8	
IC134	121	42		6	0	0			0	104.5	57.5	42	7.3	173.1	

IC134	121	44			6	0	0			0	100.2	40.9	40.8	6.4	156.6
IC134	121	46			6	0	0			0					
IC134	121	48	66.49		6	0	0	94	149	0					
IC134	121	50			6	0	0	94	149	0	139.1	58	34.6	9.3	267.7
IC134	121	52			6	1	0	94	149	0					
IC134	121	54			6	1	1	94	149	0					
IC134	121	56			6	1	1	94	149	0	613.9	58.9	30.2	16.9	561
IC134	121	58			6	1	0	94	149	0	124.8	26.8	27.7	8.5	307.7
IC134	121	60			6	1	0	94	149	0	99.5	22.9	23	7.4	323.7
IC134	121	62			6	1	0	94	149	0	94.3	25.2	25	8.2	326.2
IC134	121	64			6	0	0	94	149	0	82	30.3	24.3	9.1	375.7
IC134	121	66			6	0	0	94	149	0	74.3	29	26.3	9.8	373.8
IC134	121	68			6	0	0	94	149	0	64.5	27.9	25.3	8.8	347.6
IC134	121	70			6	0	0	94	149	0	24.1	39.5	60.4	11.3	187.5
IC134	121	72			6	0	0	94	149	0					
IC134	121	74			6	0	0	94	149	0					
IC134	121	76	45.03		6	0	0	94	149	0	46.8	106.7	118.2	23.2	196.4
IC134	121	78			6	0	0	94	149	0	59.4	29.9	28.8	10.3	356.4
IC134	121	80			6	0	0	94	149	0					
IC134	121	82			6	0	0	94	149	0					
IC134	121	84			6	0	0	94	149	0					
IC134	121	86	17.51		6	0	0	94	149	0	133.1	19.4	26.1	5.9	225.3
IC134	121	88			6	0	0	94	149	0	129.8	19	25.5	6.3	245.7
IC134	121	90			6	0	0	94	149	0	165.4	21	26.1	6.6	250.9
IC134	121	92			6	0	0	94	149	0	349.8	35.4	29.2	11.1	379.1
IC134	121	94			6	0	0	94	149	0					
IC134	121	96			6	0	0	94	149	0					
IC134	121	98			6	0	0	94	149	0					
IC134	121	100			6	0	0	94	149	0	95.6	42.5	37.1	5.7	153.4
IC134	121	102			6	0	0	94	149	0	107.1	51.4	36.3	6.8	188.7
IC134	121	104			6	0	0	94	149	0	131.3	84.4	33.7	7.5	223.4
IC134	121	106			6	0	0	94	149	0	110.5	85.2	38.4	6.6	172.1
IC134	121	108			6	0	0	94	149	0	121.2	72.1	37.4	6.4	170.6
IC134	121	110			6	0	0	94	149	0					
IC134	121	112			6	0	0	94	149	0	83.5	23.4	23.9	7.9	329.6
IC134	121	114			6	0	0	94	149	0	137.2	27.8	28.6	9.3	324.9
JA134	187	0			3										
JA134	187	2			3										
JA134	187	4			3					0					
JA134	187	6			3					0					
JA134	187	8			3					0					
JA134	187	10			3	0	0			0					
JA134	187	12			3	0	0			0					
JA134	187	14			3	0	0			0					
JA134	187	16			3	0	0			0	126.4	29.7	45.5	8.6	189.1
JA134	187	18	24.1	85358.66	3	1	0			0	204	55.3	53.5	12	223.6
JA134	187	20			2	0	0			0	175.7	18.1	39.4	11.6	294.8
JA134	187	22			2	0	0			0	128.3	59.4	45.3	13.8	304.5
JA134	187	24			2	0	0			0	90.4	63.6	53.9	14.1	262.2
JA134	187	26			2	0	0			0	55.7	41.8	67.3	12.3	183.3
JA134	187	28			2	0	0			0	66.9		69.9	10	142.5
JA134	187	30	18.31	61678.28	2	0	0			0	51.7	47	26.1	3	114.4
JA134	187	32			2	0	0			0	45.5	50.5	32.7	3.4	104
JA134	187	34			3	1	0			0					
JA134	187									0	169	58.5	43.1	12.5	288.9
JA134	187									0					
JA134	188	0			3					0					
JA134	188	2			3					0					
JA134	188	4			3					0					
JA134	188	6			3					0					
JA134	188	8			3					0					
JA134	188	10			3	0	0			0					
JA134	188	12			3	0	0			0	104.3	50.2	16.9	3.5	209
JA134	188	14			3	0	0			0	108.9	48.5	18.1	3.6	198.5
JA134	188	16			3	0	0			0	103.3	42.3	18.9	3.2	167.3
JA134	188	18	1.02	59.01	3	1	0			0	75.7	54.2	16.2	3.2	196.5
JA134	188	20			2	0	0			0	65.2	48.3	15.7	3.4	216.2
JA134	188	22			2	0	0			0	57.5	47.3	16.2	3.5	214.8

JA134	188	24			2	0	0			0	53.9	70.8	21.1	4.8	226.9
JA134	188	26			2	0	0			0	55.8	61.5	17.9	3.7	204.9
JA134	188	28			2	0	0			0	53.6	57.4	18.6	3.6	192.7
JA134	188	30	1.08	202.06	2	0	0			0	48.3	53.6	19.3	3.8	196.9
JA134	188	32			2	0	0			0	58	53.7	18.6	3	160.2
JA134	188	34			3	1	0			0	59.8	31	17.9	2.7	153.2
JA134	188	36			3	0	0			0	57.1	29.2	20.5	3	144.9
JA134	188	38			2	1	0	89	153	0	73.5	25.9	19.7	2.9	144.8
JA134	188	40			2	0	0	89	153	0	60.8	26.1	20.1	2.7	134.2
JA134	188	42	1.03	75.1	2	0	0	89	153	0	58.6	38.3	20.8	3	145.6
JA134	188	44			2	0	0	89	153	0	57.9	52.1	18.5	2.9	158.1
JA134	188	46			2	0	0	89	153	0	69	36.9	18.2	3.1	171.4
JA134	188	48			2	0	0	89	153	0	79.8	42.6	19.5	2.9	151.5
JA134	188	50			2	0	0	89	153	0	111.5	19.8	21.3	3.2	148.5
JA134	188	52			2	0	0	89	153	0	218.2	28.4	23.2	3.1	132.5
JA134	188	54	1.01	101.1	2	0	0	89	153	0	341	22.9	23.1	2.9	127.1
JA134	188	56			2	0	0	89	153	0	180	32.5	30.7	2.9	94.2
JA134	188	58			2	1	0	89	153	0	206.4	25.1	24.9	3.1	123.9
JA134	188	60			2	0	0	89	153	0	58.2	53.3	13	3	232.6
JA134	188	62			2	1	0	89	138	0	50.6	50.4	18.2	3.2	177.3
JA134	188	64			2	1	0	89	138	0	10	26.3	14.8	1.5	100.4
JA134	188	66	0.98	101.31	2	1	0	89	138	0	169.6	18.8	25.2	3.3	130.9
JA134	188	68			2	0	0	89	138	0	297.6	23.5	21.6	2.6	118.5
JA134	188	70			2	0	0	89	138	0	251.2	26.3	20.9	2.8	135.6
JA134	188	72			2	0	0	89	138	0	234	28.4	21.9	2.8	129.4
JAM149	122	0			7	0	0			0					
JAM149	122	1			7	0	0			0					
JAM149	122	3			4	0	0			0					
JAM149	122	5			4	0	0			0					
JAM149	122	7			3	0	0			0					
JAM149	122	9			3	0	0			0					
JAM149	122	11			3	0	0			0					
JAM149	122	13			3	0	0			0					
JAM149	122	15			3	0	0			0					
JAM149	122	17			3	0	0			0					
JAM149	122	19			3	0	0			0					
JAM149	122	21			3	0	0			0					
JAM149	122	23			3	0	0			0					
JAM149	122	25			3	0	0			0					
JAM149	122	27			3	0	0			0					
JAM149	122	29			3	0	0			0					
JAM149	122	31			3	0	0			0					
JAM149	122	33			3	0	0			0					
JAM149	122	35			3	0	0	48	80	0					
JAM149	122	37			3	0	0	48	80	0					
JAM149	122	39			3	0	0	48	80	0					
JAM149	122	41			4	0	0	48	80	0					
JAM149	122	43			4	0	0	48	80	0					
JAM149	122	45			5	0	0	48	80	0					
JAM149	122	47			5	1	0	48	80	0					
JAM149	122	49			5	1	0	48	80	0					
JAM149	122	51			5	0	0	48	80	0					
JAM149	122	53			5	0	0	48	80	0	134.2	75.8	37.7	6.2	163.5
JAM149	122	55			5	0	0	48	80	0	109	76.9	35.6	7.6	213.8
JAM149	122	56			5	0	0	48	80	0	189.6	45.2	32.9	8.9	271.1
JAM149	122	57			5	0	0	48	80	0	133.1	28.9	43.5	9.6	220.5
JAM149	122	59			5	0	0	76	135	0	162.4	11.2	41.8	9.2	221
JAM149	122	61			5	0	0	76	135	0	159.5	26	51.6	11.1	214.8
JAM149	122	63	2.26		5	0	0	76	135	0	154.1	18	49.8	9.6	192
JAM149	122	65			5	0	0	76	135	0	146.3	4.1	44.8	8.7	194.7
JAM149	122	67			5	0	0	76	135	0	154.4	4.1	46.8	9.5	203.9
JAM149	122	69			5	0	0	76	135	0	154	5	47	8.8	188.2
JAM149	122	71			5	0	0	76	135	0	164.4	5.1	44.9	8.9	197.8
JAM149	122	73			7	0	0	76	135	0	160.6	4.3	43.8	9.4	215.5
JAM149	122	75	4.88		7	0	0	76	135	0	146.3	6.5	39.4	8.1	206.2
JAM149	122	77			7	0	0	76	135	0	160.3	5.7	43.3	9.6	221.2
JAM149	122	79			7	0	0	76	135	0	135.2	2.7	39.2	7.7	196.7
JAM149	122	81			7	0	0	76	135	0	139.8	2.5	43.7	8.3	190.1

JAM149	122	83		7	0	0	69	140	0	134.1	4.3	48.1	7.3	151.7
JAM149	122	85		7	0	0	69	140	0	93.6	8	38.1	6.8	179.4
JAM149	122	87	3.68	7	0	0	69	140	0	58.2	4.3	38.3	7.2	188.7
JAM149	122	89		7	0	0	69	140	0	56.5	5.3	39.4	7.1	181.3
JAM149	122	91		7	0	0	69	140	0	55.4	5.2	39.2	7.3	186.3
JAM149	122	93		7	0	0	69	140	0	38.3	5.4	30.7	6.7	217.1
JAM149	122	95		7	1	0	69	140	0	44.7	5.5	36.1	7	192.7
JAM149	122	97		7	0	0	69	140	0	17.1	2.8	28.6	6.3	221.2
JAM149	122	99	5.19	7	0	0	69	140	0	16.3	1.9	28.8	6.3	219.8
JAM149	122	101		7	0	0	69	140	0	17.2	3	27.3	6.4	235.4
JAM149	122	103		7	1	0	69	140	0	15	2.2	25.2	6.9	272.5
JAM149	122	105		7	0	0	69	140	0	11.9	2.3	26.4	7.7	292.3
JAM149	122	107		7	0	0	61	112	0	12.5	3	25.1	8	317.3
JAM149	122	109		7	1	0	61	112	0	12.5	2.8	23.7	8.2	344.3
JAM149	122	111		7	1	1	61	112	0	11.1	3.2	24.1	7.6	313.2
JAM149	122	113	1.99	7	0	0	61	112	0	15.8	2.1	23.6	8.3	350.3
JAM149	122	115		7	0	0	61	112	0	32.4	1.9	25.1	8.1	324.2
JAM149	122	117		7	1	0	61	112	0					
JAM149	122	119		7	1	0	61	112	0	16.5	2.9	25.2	8.2	323.2
JAM149	122	121		7	0	0	61	112	0	13.1	2.6	25.5	7.8	304.1
JAM149	122	123	5.34	7	0	0	61	112	0					
JAM149	122	125		7	0	0	61	112	0	15.8	2.5	26.3	7.8	296
JAM149	122	127		7	0	0	61	112	0	21	3.2	25.9	7.5	290
JAM149	122	129		7	0	0	61	112	0	18.5	3	26.8	7.5	278.2
JAM149	122	131		7	0	0	59	112	0	17.4	2.8	26.6	7.3	273.2
JAM149	122	133		7	0	0	59	112	0	29.9	2.3	25.2	6.5	257.3
JAM149	122	135	3.56	7	0	0	59	112	0	24.3	2.7	24.8	6.1	247.6
JAM149	122	137		7	0	0	59	112	0	26.1	1.9	26.8	6.4	239.9
JAM149	122	139		7	0	0	59	112	0	17.9	2.2	25.5	6.3	245.2
JAM149	122	141		7	0	0	59	112	0	26	3.4	27.8	6.8	244.9
JAM149	122	143		7	0	0	59	112	0	20.1	3.7	25.1	7.2	286.7
JAM149	122	145		7	0	0	59	112	0	18.9	2.7	23.9	6.2	259.7
JAM149	122	147		7	0	0	59	112	0	20.3	2.3	26	6.2	239.2
JAM149	122	149	8.05	7	0	0	59	112	0	21.4	2.7	26.6	7	263.8
JAM149	122	151		7	0	0	59	112	0	24.6	4	23.5	7	298.4
JAM149	122	153		7	0	0	59	112	0	23.4	4.6	24.1	7.2	297.2
JAM149	122	155		7	0	0	64	127	0	23.3	3.1	24.5	7	283.9
JAM149	122	157		7	0	0	64	127	0	27.6	3.1	22.4	7.1	318.3
JAM149	122	159	3.16	7	0	0	64	127	0	31.8	2	25.9	6.3	244.5
JAM149	122	161		7	0	0	64	127	0	22.1	2.2	23.9	6.7	279.7
JAM149	122	163		7	0	0	64	127	0	24.1	3.8	24.6	7.5	305.8
JAM149	122	165		7	0	0	64	127	0	22.7	3.8	23.8	7.4	311.2
JAM149	122	167		7	0	0	64	127	0	28.2	2.5	23.8	7.2	301.2
JAM149	122	169		7	0	0	64	127	0	19.5	4.7	23.7	7.9	333.1
JAM149	122	171	2.76	7	0	0	64	127	0	24.3	7.1	23.9	7.5	313.5
JAM149	122	173		7	0	0	64	127	0	23.7	2.5	21.7	6.3	292.5
JAM149	122	175		7	0	0	64	127	0	28.6	2.4	23.4	7.4	315.3
JAM149	122	177		7	0	0	64	127	0	43.2	10.4	24.8	8.3	333.2
JAM149	122	179		7	0	0	57	111	0	50.2	10.5	24.6	8.4	342.1
JAM149	122	181		7	0	0	57	111	0	49.2	5	26.7	9.9	372.2
JAM149	122	183	2.33	7	0	0	57	111	0	26.5	4.3	23.3	7.6	327.5
JAM149	122	185		7	0	0	57	111	0	29.1	3.8	23.7	7.5	315.2
JAM149	122	187		7	0	0	57	111	0	29.5	2.4	23	8.1	351.7
JAM149	122	189		7	0	0	57	111	0	26.4	7.1	23.5	7.7	326.5
JAM149	122	191		7	0	0	57	111	0	24.6	3.4	23.6	7.8	328.4
JAM149	122	193		7	0	0	57	111	0	34.8	4.2	22.4	7.2	321.7
JAM149	122	195	2.07	7	0	0	57	111	0	19.2	5.2	22.9	7.4	321.6
JAM149	122	197		7	0	0	57	111	0	22.8	2.9	22.3	7.6	340.5
JAM149	122	199		7	0	0	57	111	0	29.4	4.3	22.5	7.5	335.3
JAM149	122	201		7	0	0	57	111	0	30.1	3.7	22.8	6.9	302.6
JAM149	122	203		7	0	0	57	111	0	27.3	2.4	22.6	7	309.3
JAM149	122	205		7	0	0	57	111	0	62.9	4.4	21.6	6.9	318.1
JAM149	122	207	1.44	7	0	0	57	111	0	68.2	3.4	20.2	6.9	340.9
JAM149	122	209		7	0	0	57	111	0	75.6	2.6	22.8	7.6	332
JAM149	122	211		7	0	0	57	111	0	30.2	3	24.6	7.8	318.2
JAM149	122	213		7	0	0	57	111	0	37.9	3.9	22.2	6.7	299.5
JAM149	122	215		7	0	0	57	111	0	124.2	5.1	23	7.6	331.2
JAM149	122	217		7	0	0	57	111	0	144.7	4.3	20.8	6.4	306

JAM149	122	219	3.14	7	0	0	57	111	0	66.8		19.8	6.5	330.4
JAM149	122	221		7	0	0	57	111	0	57.3	7.6	20.7	7.3	353.6
JAM149	122	223		7	0	0	57	111	0	48.2	7.2	20.8	7.5	362.3
JAM149	122	225		7	0	0	57	111	0	40.4	6.8	20.1	7.1	355.7
JAM149	122	227		7	0	0	43	116	0	51.2	7.4	21.5	7.8	361.9
JAM149	122	229		7	0	0	43	116	0	241.2	6.4	25.1	8.2	326.8
JAM149	122	231	2.79	7	0	0	43	116	0	35.6	4	21.3	6.4	302.2
JAM149	122	233		7	0	0	43	116	0	30.3	7.8	22.5	7.1	312.8
JAM149	122	235		7	0	0	43	116	0	31	5.7	21.7	6.5	299.2
JAM149	122	237		7	0	0	43	116	0	19.8	5.2	21.7	5.8	266.1
JAM149	122	239		7	0	0	43	116	0	23	6	22	6.1	275.9
JAM149	122	241		7	0	0	43	116	0	27.3	6.4	22.6	6.4	285.2
JAM149	122	243	2.69	7	0	0	43	116	0	28.5	5.6	22.2	6	269
JAM149	122	245		7	0	0	43	116	0	42.7	7.9	21.3	5.9	278
JAM149	122	247		7	0	0	43	116	0	29.8	6.3	21.8	6	276.3
JAM149	122	249		7	0	0	43	116	0	30.2	6.6	21.2	5.7	268.8
JAM149	122	251		7	0	0	48	112	0	22.2		98.2	6.7	67.9
JAM149	122	253		7	0	0	48	112	0					
JAM149	122	255	1.34	7	0	0	48	112	0					
JAM149	122	257		7	0	0	48	112	0	66.1	5.6	38.7	7.2	185.3
JAM149	122	259		7	0	0	48	112	0	46.2	4.3	35.4	7.2	204.3
JAM149	122	261		7	0	0	48	112	0	30.1	5.4	29	6.8	234.7
JAM149	122	263		7	0	0	48	112	0					
JAM149	122	265		7	0	0	48	112	0	15.7	2.9	28.3	5.9	210.1
JAM149	122	267	0.94	7	0	0	48	112	0	19.8	2.3	26.1	6	229.2
JAM149	122	269		7	0	0	48	112	0					
JAM149	122	271		7	0	0	48	112	0					
JAM149	122	273		7	0	0	48	112	0	21.1	3.6	22.4	7.9	350.4
JAM149	122	275		7	0	0	59	124	0	39.7	4.3	22.1	6.8	306.1
JAM149	122	277		7	0	0	59	124	0	53.7	5.1	21.5	7	326.4
JAM149	122	279	0.65	7	0	0	59	124	0	73.5	5.2	20.9	7.7	366.8
JAM149	122	281		7	0	0	59	124	0					
JAM149	122	283		7	0	0	59	124	0	37.6	3.1	22.4	6.9	309.6
JAM149	122	285		7	0	0	59	124	0	38.5	4.4	22.4	7	312.3
JAM149	122	287		7	0	0	59	124	0	60	6.8	25.5	7.1	279.6
JAM149	122	289		7	0	0	59	124	0	78.6	4.2	22.6	6.3	279.2
JAM149	122	291	0.2	7	0	0	59	124	0	31.7	3.1	22.6	6.3	281.2
JAM149	122	293		7	0	0	59	124	0	65.6	2.3	22.2	5.9	265.7
JAM149	122	295		7	0	0	59	124	0	46.5	1.7	22.1	6.4	291.2
JAM149	123	0		7					0					
JAM149	123	1		7					0					
JAM149	123	3		4					0					
JAM149	123	5		4					0					
JAM149	123	7		3					0					
JAM149	123	9		3	0	0			0					
JAM149	123	11		3	0	0			0					
JAM149	123	13		3	0	0			0					
JAM149	123	15		3	0	0			0					
JAM149	123	17		3	0	0			0					
JAM149	123	19		3	0	0			0					
JAM149	123	21		3	0	0			0					
JAM149	123	23		3	0	0			0					
JAM149	123	25		3	0	0			0					
JAM149	123	27		3	0	0			0					
JAM149	123	29		3	0	0			0					
JAM149	123	31		3	0	0			0					
JAM149	123	33		3	0	0			0					
JAM149	123	35		3	0	0	55	93	0					
JAM149	123	37		3	0	0	55	93	0					
JAM149	123	39		3	0	0	55	93	0					
JAM149	123	41		4	0	0	55	93	0					
JAM149	123	43		4	0	0	55	93	0					
JAM149	123	45		5	0	0	55	93	0					
JAM149	123	47		5	1	0	55	93	0					
JAM149	123	49		5	1	0	55	93	0					
JAM149	123	51		5	0	0	55	93	0					
JAM149	123	53		5	0	0	55	93	0					
JAM149	123	55		5	0	0	55	93	0					

JAM149	123	56		5	0	0	55	93	0	164.7	25.7	39	8.6	221.7
JAM149	123	57		5	0	0	55	93	0	218.8	53	44	10.5	237.7
JAM149	123	59		5	0	0	98	149	0	101	70.4	31.6	8.6	273.3
JAM149	123	61		5	0	0	98	149	0	103.5	58.7	27.5	7.6	274.5
JAM149	123	63		5	0	0	98	149	0	134.3	44.8	24	6.5	272.5
JAM149	123	65		5	0	0	98	149	0	151.4	35.4	23.6	6.1	258.6
JAM149	123	67		5	0	0	98	149	0	174.5	32.4	25.9	7.4	284.7
JAM149	123	69		5	0	0	98	149	0	214.7	29.1	26	7.9	302
JAM149	123	71		5	0	0	98	149	0	222.9	27.8	25.1	7.5	299
JAM149	123	73		7	0	0	98	149	0	249.5	23.8	28.1	8.3	295.6
JAM149	123	75		7	0	0	98	149	0	220.1	25.4	25.4	7.5	293.8
JAM149	123	77		7	0	0	98	149	0	233.4	24.5	27.2	8	294.4
JAM149	123	79		7	0	0	98	149	0	356.2	24.8	32	9.9	309.6
JAM149	123	81		7	0	0	98	149	0	398.5	29	47.8	11.5	240.7
JAM149	123	83		7	0	0	95	181	0	445.5	27.3	54.6	11.4	208.9
JAM149	123	85		7	1	0	95	181	0	366.4	21.1	44.9	11.2	250.1
JAM149	123	87		7	0	0	95	181	0	372.4	18.3	40.6	11.1	273.4
JAM149	123	89		7	1	0	95	181	0	382.7	18.5	40.3	10.8	267.2
JAM149	123	91		7	0	0	95	181	0	317.4	17.4	31.9	9.3	290.1
JAM149	123	93		7	0	0	95	181	0	309.6	18.5	39.5	11	277.3
JAM149	123	95		7	0	0	95	181	0	775.5	61.8	38.9	14.5	371.4
JAM149	123	97		7	0	0	95	181	0	224.8	18.7	69.8	12.1	172.9
JAM149	123	99		7	0	0	95	181	0	311.1	19.5	32.5	10.9	334.5
JAM149	123	101		7	0	0	95	181	0	252.8	18.7	33.8	10.4	308.9
JAM149	123	103		7	1	0	95	181	0	437.8	35.7	48.4	13.3	274.3
JAM149	123	105		7	0	0	95	181	0	411.3	18.6	31.4	11.2	356.2
JAM149	123	107		7	0	0	69	126	0	319.9	18.6	28.6	11.8	411.2
JAM149	123	109		7	1	0	69	126	0	234.6	18.6	26.7	11.3	423.3
JAM149	123	111		7	1	1	69	126	0	251.4	22.4	38.1	14.5	381
JAM149	123	113		7	0	0	69	126	0	299.1	21.9	35.6	13.8	387.5
JAM149	123	115		7	0	0	69	126	0	339.1	22.7	40.4	15.3	379.2
JAM149	123	117		7	1	0	69	126	0	403.6	19.6	37.9	14.3	376.9
JAM149	123	119		7	1	0	69	126	0					
JAM149	123	121		7	0	0	69	126	0	382.6	23.3	55.1	16.1	292.9
JAM149	123	123		7	0	0	69	126	0	383.1	18.7	38	14.3	377.1
JAM149	123	125	6.57	7	0	0	69	126	0					
JAM149	123	127		7	0	0	69	126	0	270.8	17.5	30.8	13	421.3
JAM149	123	129		7	0	0	69	126	0	263.4	17.5	36.7	13.9	379.4
JAM149	123	131		7	0	0	73	139	0	257.4	17.4	31.9	13	409.4
JAM149	123	133		7	0	0	73	139	0	213.8	17.7	31	11.9	382.5
JAM149	123	135	3.57	7	0	0	73	139	0	237.1	24.8	49.2	13.2	268.2
JAM149	123	137		7	0	0	73	139	0	308.1	24.1	38.1	13.4	350.6
JAM149	123	139		7	0	0	73	139	0	353.3	51.1	71	14.4	202.4
JAM149	123	141	5.29	7	0	0	73	139	0	385.3	28.7	41.7	14.3	343.1
JAM149	123	143		7	0	0	73	139	0	390.6	26.8	45.9	14.6	318.9
JAM149	123	145		7	0	0	73	139	0	416.7	41.4	58.3	15	256.6
JAM149	123	147		7	0	0	73	139	0	376.7	24.9	37.9	12.9	340.8
JAM149	123	149	3.56	7	0	0	73	139	0	366.7	20.9	31.1	12	386.8
JAM149	123	151		7	0	0	73	139	0	372.6	26.3	33.8	13.7	406.6
JAM149	123	153	4.31	7	0	0	73	139	0	309.6	25.4	31.3	12.8	407.8
JAM149	123	155		7	0	0	73	129	0	279.6	25.9	32.1	12.3	384
JAM149	123	157		7	0	0	73	129	0	315.7	30.3	32.4	14	431.4
JAM149	123	159	3	7	0	0	73	129	0	303.6	3.2	183.9	16.4	89.4
JAM149	123	161		7	0	0	73	129	0	296.7	24.8	35.2	12.9	366.8
JAM149	123	163		7	0	0	73	129	0	376.8	34.4	40.3	14.1	350.9
JAM149	123	165	4.06	7	0	0	73	129	0	333.2	28.9	42.4	14.9	352.6
JAM149	123	167		7	0	0	73	129	0	347.5	27.3	41.6	14.6	351
JAM149	123	169		7	0	0	73	129	0	414.2	27.8	40.5	15.2	373.8
JAM149	123	171		7	0	0	73	129	0	426.3	27.3	39.8	15.3	384.3
JAM149	123	173	3.23	7	0	0	73	129	0	421.3	29.4	43.7	15.5	354.2
JAM149	123	175		7	0	0	73	129	0	392.4	25.3	38.6	14.5	375.8
JAM149	123	177		7	0	0	73	129	0	410.7	27.8	40.2	14.9	371.5
JAM149	123	179		7	0	0	75	140	0	403	25.5	41.2	15.4	373.8
JAM149	123	181		7	0	0	75	140	0	376.2	23.2	34.6	13.4	386
JAM149	123	183		7	0	0	75	140	0	375.9	25.6	34.9	14.3	409.8
JAM149	123	185		7	0	0	75	140	0	362.4	24.4	39.1	14.9	379.8
JAM149	123	187		7	0	0	75	140	0	369.8	25.6	41.6	15	360.6
JAM149	123	189		7	0	0	75	140	0	365.2	24	38.6	15.2	394

JAM149	123	191	7	0	0	75	140	0	399.4	25	39.3	15.3	390.2
JAM149	123	193	7	0	0	75	140	0	378.9	22.3	39.5	14.7	372.8
JAM149	123	195	7	0	0	75	140	0	366.8	24.1	34.9	15	429.3
JAM149	123	197	7	0	0	75	140	0	255.8	20	34.6	13.9	401.1
JAM149	123	199	7	0	0	75	140	0	205.1	22	34.3	14.8	430.2
JAM149	123	201	7	0	0	75	140	0	200	21.2	34	13.8	406.9
JAM149	123	203	7	0	0	70	145	0	188.8	18.3	34.5	13.4	389.2
JAM149	123	205	7	0	0	70	145	0	234.6	21	31.1	13.3	429
JAM149	123	207	7	0	0	70	145	0	286.7	21.3	32.1	14	435.4
JAM149	123	209	7	0	0	70	145	0	272.8	18.2	30	14.2	471.9
JAM149	123	211	7	0	0	70	145	0	285.6	19.1	36.2	15.3	422.8
JAM149	123	213	7	0	0	70	145	0	233.2	14.9	30.6	13.1	429.4
JAM149	123	215	7	0	0	70	145	0	220	14.7	29.4	12.7	430.1
JAM149	123	217	7	0	0	70	145	0	186.1	12.7	29.5	13	440.2
JAM149	123	219	7	0	0	70	145	0	207.9	11.9	29.8	12.9	433.4
JAM149	123	221	7	0	0	70	145	0	211.7	12.5	36.4	14.8	407.4
JAM149	123	223	7	0	0	70	145	0	188.9	10.8	31.7	14.5	457.6
JAM149	123	225	7	0	0	70	145	0	202.6	9.1	31	14.5	465.8
JAM149	123	227	7	0	0	66	140	0	182	7	27.2	13.3	488.3
JAM149	123	229	7	0	0	66	140	0	153.7	5.8	26.7	13.3	496.9
JAM149	123	231	7	0	0	66	140	0	136.8	6	27.2	13.1	481.4
JAM149	123	233	7	0	0	66	140	0	110.2	5.8	27.2	12.3	452
JAM149	123	235	7	0	0	66	140	0	93.8	5.1	25.5	12.4	484.1
JAM149	123	237	7	0	0	66	140	0	92.1	4.5	26.1	12.6	483
JAM149	123	239	7	0	0	66	140	0	76.8	4.4	26	11.6	444.9
JAM149	123	241	7	0	0	66	140	0	72.3	3.9	26.2	11.8	452.1
JAM149	123	243	7	0	0	66	140	0	70.2	4	25.1	12.1	483.8
JAM149	123	245	7	0	0	66	140	0	69.9	4	25.5	12	470
JAM149	123	247	7	0	0	66	140	0	78.6	3.7	25.8	12.2	474.1
JAM149	123	249	7	0	0	66	140	0	73.6	4	25.8	12.1	470.1
JAM149	123	251	7	0	0	53	105	0	62.4	3.4	26.1	11.6	445.9
JAM149	123	253	7	0	0	53	105	0	50.1	4	25.4	11.6	455.5
JAM149	123	255	7	0	0	53	105	0	67.5	3.7	25	11.4	458.5
JAM149	123	257	7	0	0	53	105	0	17.4	3.4	69.6	11.2	160.8
JAM149	123	259	7	0	0	53	105	0	71.9	3	24.9	11.5	462.4
JAM149	123	261	7	0	0	53	105	0	102.8	2.8	24.2	11.4	469.9
JAM149	123	263	7	0	0	53	105	0	119.3	3.9	24.4	11.4	465.5
JAM149	123	265	7	0	0	53	105	0					
JAM149	123	267	7	0	0	53	105	0					
JAM149	123	269	7	0	0	53	105	0	59.1	1.9	24.5	9.6	392.4
JAM149	123	271	7	0	0	53	105	0	47.9	1	24	11.3	473
JAM149	123	273	7	0	0	53	105	0	53.8	2.4	28.1	11.3	402.7
JAM149	123	275	7	0	0	93	179	0	72.8	1.9	28.8	10.7	371.6
JAM149	123	277	7	0	0	93	179	0	49.7	1.6	27.9	10	359.5
JAM149	123	279	7	0	0	93	179	0	68	1.8	24.3	10.6	436.4
JAM149	123	281	7	0	0	93	179	0	56.3	2	24.2	9.7	399.6
JAM149	123	283	7	0	0	93	179	0	48.1	1.6	23.7	9.1	383.3
JAM149	123	285	7	0	0	93	179	0	68.9	2.7	25.3	9.6	379.8
JAM149	123	287	7	0	0	93	179	0	50.3	1.4	25.2	9.2	365.3
JAM149	123	289	7	0	0	93	179	0	58.5	1.9	26.6	9.8	368
JAM149	123	291	7	0	0	93	179	0	52.9	1.6	27.7	10.4	375.1
JAM149	123	293	7	0	0	93	179	0	54	1.4	27.8	9.4	339.2
JAM149	123	295	7	0	0	93	179	0	49.7	2.1	26.1	9.5	363.7
JAM149	123	297	7	0	0	93	179	0	61.4	1.5	26.1	9.9	379.9
JAM149	123	299	7	0	0	93	179	0	63.5	1.7	31.8	10.8	338.7
JAM149	123	301	7	0	0	118	177	0	54.9	1.6	29.4	10	340
JAM149	123	303	7	0	0	118	177	0	55.1	1.5	27.4	10.4	380.7
JAM149	123	305	7	0	0	118	177	0	49.4	1.5	28.9	9.8	339.8
JAM149	123	307	7	0	0	118	177	0					
JAM149	123	309	7	0	0	118	177	0					
JAM149	123	311	7	0	0	118	177	0	326.2	20.8	32.3	10.7	330.5
JAM149	123	313	7	0	0	118	177	0	434.8	24	49.9	11.5	230.3
JAM149	123	315	7	0	0	118	177	0	550.5	244.2	165	13.8	83.8
JAM149	123	317	7	0	0	118	177	0	475.1	19.9	29	11	378.5
JAM149	123	319	7	0	0	118	177	0					
JAM149	123	321	7	0	0	118	177	0	223.9	19	33.3	10.7	319.5
JAM149	123	323	7	0	0	118	177	0	400.5	28	56.7	13.4	235.4
JAM149	123	325	7	0	0	118	177	0	371.4	23	39.4	15.4	389.6

JAM149	123	327		7	0	0	118	177	0	277.4	19.1	35.5	14	393.5
JAM149	123	329		7	0	0	118	177	0	285.4	19.6	30.3	14.1	466.2
JAM149	123	331		7	0	0	118	177	0	254.2	16.7	31.9	14.2	446.6
JAM149	123	333		7	0	0	118	177	0					
JAM149	123	335		7	0	0	118	177	0	233.3	14.9	32.5	13.8	425.4
JAM149	123	337		7	0	0	118	177	0	193.3	13.8	28.5	12.2	426.6
JAM149	123	339		7	0	0	118	177	0	61	3.3	25.4	12.2	479.5
JAM149	123	341		7	0	0	118	177	0	66.9	4.1	24.3	12.5	513.4
JAM149	123	343		7	0	0	118	177	0	53.3	4.1	24.7	11.4	461.9
JAM149	123	345		7	0	0	118	177	0	51.9	4.5	27.4	12.2	444.3
JAM149	123	347		7	0	0	118	177	0	58.4	3.7	24	12.4	516.4
JAM149	123	349		7	0	0	118	177	0	46.3	3.2	25.7	11.7	455.1
JAM149	123	351		7	0	0	118	177	0	59.5	4	24	10.7	448.2
JAM149	123	353		7	0	0	118	177	0	47	2.7	25.1	11.1	441.7
JAM149	123	355		7	0	0	118	177	0	57.1	3	23.8	10.8	454.3
JE162	232	0		7					0					
JE162	232	2		4					0					
JE162	232	4		4	0	0			0	175.6	85	33.7	5.1	151.5
JE162	232	6		4	0	0			0	190.7	66.7	30	5.7	190.8
JE162	232	8		2	0	0			0	186.2	48.2	29	5.4	186.4
JE162	232	10		2	0	0			0	179.5	40.5	29.1	5.1	173.9
JE162	232	12		2	0	0			0	181.3	40.5	24.5	4.5	181.4
JE162	232	14		2	0	0			0	174.8	32.2	27.9	4.5	161.4
JE162	232	16		2	0	0			0	203.1	43.3	33.1	5.6	170.5
JE162	232	18		2	0	0			0	224.4	30.2	27.6	6.5	234.5
JE162	232	20		2	0	0			0	227.4	38.8	25.5	6.1	238.9
JE162	232	22		2	0	0			0	176.5	31.1	23.6	5.1	216.9
JE162	232	24		2	0	0			0	154.7	28.4	30	6	198.5
JE162	232	26		2	0	0			0	155.2	23.8	26.3	5.2	197.6
JE162	232	28		2	0	0			0					
JE162	232	30		2	0	0			0	182.6	10.7	23.1	7.2	311.1
JE162	232	32		2	0	0	72	129	0	190.7	12.7	23.8	7.3	305.8
JE162	232	34		2	0	0	72	129	0	186.4	16.2	26	8.4	325.5
JE162	232	36		2	0	0	72	129	0	193.9	15.3	24.3	7.3	298.7
JE162	232	38		2	0	0	72	129	0	182.3	12	26.2	6.4	243.6
JE162	232	40		2	0	0	72	129	0	158.6	17.1	25.2	8	316
JE162	232	42		2	0	0	71	117	0	141.2	15.8	24.6	7.6	310.7
JE162	232	44		2	0	0	71	117	0	134.4	17.1	25.2	7.3	291.1
JE162	232	46		2	0	0	71	117	0	135.1	20.1	24.5	7.9	322.4
JE162	232	48		2	0	0	71	117	0	116.7	22.2	24.8	8.3	333.2
JE162	232	50		2	0	0	71	117	0	125	24.2	25.7	8.3	324.6
JE162	232	52		2	0	0	71	117	0	120.7	28.1	24.9	8.8	353.9
JE162	232	54		2	0	0	71	117	0	122	22.9	25.7	6.6	256
JE162	232	56		2	0	0	71	117	0	102.4	24.2	26.2	6	227.6
JE162	232	58		2	0	0	71	117	0	81	32.2	26.4	7.5	285.1
JE162	232	60		2	0	0	71	117	0	87	26.4	26.4	7.8	296.4
JE162	232	62		2	0	0	71	117	0	78.2	25.4	26.6	7	262
JE162	232	64		2	0	0	71	117	0	68.7	27.7	26	6.9	265.8
JE162	232	66		2	0	0	71	117	0	59.9	27.3	26.5	8.4	317.7
JE162	232	68		2	0	0	71	117	0	64.1	21	27.3	6.9	254.5
JE162	232	70		2	0	0	71	117	0	68.7	21.7	26.3	7.1	270.9
JE162	232	72		2	0	0	71	117	0	60	25.8	25.7	6.5	251.1
JE162	232	74		2	0	0	71	117	0	62.2	25.4	26.6	6.7	253.6
JE162	232	76		2	0	0	71	117	0	57.9	27.1	28	8.1	289.5
JE162	232	78		2	0	0	71	117	0	66.9	29.9	26	7.3	279.9
JE162	232	80		2	0	0	71	117	0	81	28.8	26	6.1	235.7
JE162	232	82		2	0	0	71	117	0	61.8	33.3	27.2	7.3	270.3
JE162	232	84		2	0	0	71	117	0	87.2	27.9	27	6.2	227.9
JE162	232	86		2	0	0	57	102	0	85	28.6	26.9	6.5	242.1
JE162	232	88		2	0	0	57	102	0	56.1	28.6	26.7	6.9	258.5
JE162	232	90	3.68	2	0	0	57	102	0	77.3	28.9	26.6	6.4	238.9
JE162	232	92		2	0	0	57	102	0	79.2	29.5	27.8	7.5	269.8
JE162	232	94		2	0	0	57	102	0	60	27.7	27.1	7.4	272.9
JE162	232	96		2	0	0	57	102	0	81.6	25.9	28.8	6.9	240.6
JE162	232	98		2	0	0	57	102	0	47.3	32.5	26.5	8.3	313.7
JE162	232	100		2	0	0	57	102	0	41.4	23.2	25	8.3	330.5
JE162	232	102	3.16	2	0	0	57	102	0	59.9	21.1	28.7	5.9	205.2
JE162	232	104		2	0	0	57	102	0	63.9	28.7	27.3	5.5	200.9

JE162	232	106		2	0	0	57	102	0	66.2	33.8	26.8	5.8	216.6
JE162	232	108		2	0	0	57	102	0	96.3	25.6	25.1	4.7	188.5
JE162	232	110		2	0	0	57	102	0	85.6	31	25.4	5.2	203.6
JE162	232	112		2	0	0	57	102	0	93.2	32.3	32.2	6.5	201
JE162	232	114	2.41	2	0	0	95	165	0	88.2	42.9	30.7	7.3	237.6
JE162	232	116		2	0	0	95	165	0	102.7	40.9	29.4	8.5	289.7
JE162	232	118		2	0	0	95	165	0	111.2	60.8	27.2	8.1	298.6
JE162	232	120		2	0	0	95	165	0	166.3	62.2	25.1	6.3	252.2
JE162	232	122		2	0	0	95	165	0	155.4	74.3	33.9	8.5	250.5
JE162	232	124		2	0	0	95	165	0	160.3	40.7	30.4	7.1	233.8
JE162	232	126	3.79	2	0	0	95	165	0	122.5	48	27.4	7.1	257.2
JE162	232	128		2	0	0	114	205	0	115	47.6	24.4	6.1	250.9
JE162	232	130		2	0	0	114	205	0	109.6	49.1	26.6	6.3	235.2
JE162	232	132		2	0	0	114	205	0	110.9	47.8	27.2	6.2	228.4
JE162	232	134		2	0	0	114	205	0	116.3	49.9	30.6	7.4	241.2
JE162	232	136		3	0	0	114	205	0	111.6	61.1	29.7	6.2	207.9
JE162	232	138		3	0	0	97	169	0	100.3	72.3	27.6	6.2	223.5
JE162	232	140		3	0	0	97	169	0					
JE162	232	142		3	0	0	97	169	0	110.6	68.2	32.9	7.8	237.1
JE162	232	144		3	0	0	97	169	0	98.9	53.5	28.9	8.3	286.4
JE162	232	146		3	0	0	97	169	0	101	49.3	37.1	10.2	273.7
JE162	232	148	3.27	3	0	0	97	169	0	118.4	38.6	39	9.7	248.8
JE162	232	150		3	0	0	97	169	0	121.2	35.9	38.7	9.9	255.5
JE162	232	152		3	0	0	97	169	0	117.8	33.7	38.2	10.3	270.6
JE162	232	154		3	0	0	97	169	0	142.2	52	40	10.3	258.1
JE162	232	156		3	0	0	97	169	0	112.7	43.2	33.4	9.7	291.2
JE162	232	158		3	0	0	97	169	0	109.9	36.3	34.9	9.7	278.8
JE162	232	160		3	0	0	97	169	0	117.3	30.8	24.1	5.9	245.8
JE162	232	162		3	0	0	49	94	0	86.5	33.9	27.8	8	287.7
JE162	232	164		3	0	0	49	94	0	88.8	30.6	28.3	7.9	278.6
JE162	232	166		3	0	0	49	94	0	89	53.5	33.2	9.4	282.5
JE162	232	168		3	0	0	49	94	0	79	28.2	33.6	11.2	332.2
JE162	232	170		3	0	0	49	94	0	127.3	42.2	38.5	11.4	297
JE162	232	172		3	0	0	49	94	0	144.6	18.3	38.2	10.3	270.7
JE162	232	174		3	0	0	49	94	0	130.7	23.3	33.7	9.6	284.4
JE162	232	176		3	0	0	70	124	0	108.4	27.6	35.4	9.9	279.2
JE162	232	178		3	0	0	70	124	0	115.8	19.9	33.9	10.4	305.7
JE162	232	180		3	0	0	70	124	0	79	13.1	29.4	10.6	360.3
JE162	232	182		3	0	0	70	124	0	87.4	16.3	30.9	10.5	340.7
JE162	232	184		3	0	0	70	124	0	125.9	16.8	36.4	10.2	279
JE162	232	186		3	0	0	65	106	0	95.4	10.8	33	10.9	329.6
JE162	232	188		3	0	0	65	106	0	107.2	21.1	35.1	10.9	310.1
JE162	232	190		3	0	0	65	106	0	157	18.9	34.6	9.6	278.1
JE162	232	192		3	0	0	65	106	0	112	21.3	50.7	10.2	201
JE162	232	194		3	0	0	65	106	0	126.6	9.6	35.3	12.2	343.9
JE162	232	196		3	0	0	65	106	0	145.2	11	32.5	10	308.5
JE162	232	198		3	0	0	65	106	0	126.4	16.8	29.4	9.9	335.3
JE162	232	200		3	0	0	65	106	0	182.4	24.9	37.1	10.8	290.5
JE162	232	202		3	0	0	65	106	0	309.2	18.6	33.4	8.5	255
JE162	232	204		3	0	0	65	106	0	204.8	21.8	30.9	8.6	277.1
JE162	232	206		3	0	0	65	106	0	146.9	20.2	32.8	9.5	291.1
JE162	232	208		3	0	0	65	106	0	94.3	7.8	35.4	11.1	313.7
JE162	232	210		3	0	0	64	110	0	79.1	9.1	32.3	10.6	329.3
JE162	232	212		3	0	0	64	110	0	88.7	10.4	32	10	313.3
JE162	232	214		3	0	0	64	110	0	95.9	15.2	30.3	8.6	284
JE162	232	216		3	0	0	64	110	0	73.1	21.4	29.7	9.5	320.7
JE162	232	218		3	0	0	64	110	0	98.9	13.8	31.8	8.7	275.1
JE162	232	220		3	0	0	64	110	0	91.3	15.2	26	7.7	294.9
JE162	232	222		3	0	0	64	110	0	60	21.1	27.1	8.6	316.6
JE162	232	224		3	0	0	64	110	0	101.8	22.9	35.7	10.6	296.6
JE162	232	226		3	0	0	64	110	0	85.8	22.2	33.3	9.6	288.6
JE162	232	228		3	0	0	64	110	0	59.4	18	29.5	9	306.4
JE162	232	230		3	0	0	64	110	0	119.4	17	43.7	13.5	308.1
JE162	232	232		3	0	0	64	110	0	88.2	10.8	38.1	13.5	355.1
JE162	232	234		3	0	0	64	110	0	91.7	13.1	34.5	12.1	349.2
JE162	232	236		3	0	0	64	110	0	90.9	19.1	36.5	12.1	332.8
JE162	232	238		3	0	0	64	110	0	94.5	21.9	35	11.9	339.2
JE162	232	240		3	0	0	64	110	0	156.4	5.8	39	16	409.5

JE162	232	242	3	0	0	66	121	0	208.4	8.9	34	13.7	404.3
JE162	232	244	3	0	0	66	121	0	160.5	13	30	11.4	380.2
JE162	232	246	3	0	0	66	121	0	88.7	13.6	36.6	12.2	331.8
JE162	232	248	3	0	0	66	121	0	67.4	13.6	31.4	9.8	312
JE162	232	250	3	0	0	66	121	0	41.2	13.8	27.1	8.9	327.7
JE162	232	252	3	0	0	66	121	0	64.4	15.5	32	10.1	316.1
JE162	232	254	3	0	0	66	121	0	42.3	12	29.7	8.2	276.5
JE162	232	256	3	0	0	66	121	0	40.7	20.4	24.9	7.4	297
JE162	232	258	3	0	0	66	121	0	48	20	25.9	7.9	305.3
JE162	232	260	3	0	0	70	127	0	47.4	16	26	7.8	299.6
JE162	232	262	3	0	0	70	127	0	211.7	12.4	47.4	16.6	350.8
JE162	232	264	3	0	0	70	127	0	236	10.7	45	14.2	315
JE162	232	266	3	0	0	70	127	0	129.6	14	33.7	11.4	338.4
JE162	232	268	3	0	0	70	127	0	192.5	15.9	51.5	14.5	282.4
JE162	232	270	3	0	0	70	127	0	205.8	13.9	39.7	11.8	297.2
JE162	232	272	3	0	0	70	127	0	139.1	14.1	33	11.3	342.5
JE162	232	274	3	0	0	70	127	0	158.6	14	41.8	14.6	348.4
JE162	232	276	3	0	0	70	127	0	109.1	13.8	29.9	9.9	330
JE162	232	278	3	0	0	70	127	0	59.1	18.6	29.2	10.8	369.8
JE162	232	280	3	0	0	70	127	0	102.6	16.8	37.9	12.7	333.6
JE162	232	282	3	0	0	53	108	0	60.7	15	31	10	321
JE162	232	284	3	0	0	53	108	0	177.4	19	64.6	16.1	248.8
JE162	232	286	3	0	0	53	108	0	254.7	12.8	57.2	14.2	248.3
JE162	232	288	3	0	0	53	108	0	215.4	14.3	33.7	11	326.7
JE162	232	290	3	0	0	53	108	0	168.5	15.6	39.1	11.9	304.5
JE162	232	292	3	0	0	53	108	0	142.7	18.7	34.1	10.4	306.4
JE162	232	294	3	0	0	53	108	0	79	17.9	30.8	10	326.1
JE162	232	296	3	0	0	53	108	0	98.8	17.8	41.4	12.3	297.8
JE162	232	298	3	0	0	53	108	0	75.7	15.7	34.1	10.2	300.8
JE162	232	300	3	0	0	63	111	0	82.5	18.4	26.3	9.8	372.3
JE162	232	302	3	0	0	63	111	0	94.5	21.4	32.8	11.1	338.1
JE162	232	304	3	0	0	63	111	0	112.9	16.7	31.1	9.7	311.3
JE162	232	306	3	0	0	63	111	0	70	17.7	28.5	9.5	332.9
JE162	232	308	3	0	0	63	111	0	69	20.9	30.4	10.2	333.7
JE162	232	310	3	0	0	63	111	0	55.9	16	28.9	8.1	280.8
JE162	232	312	3	0	0	63	111	0	42.6	17.5	28.3	8.6	305.4
JE162	232	314	3	0	0	63	111	0	52.7	15.4	31.8	9.2	288.5
JE162	232	316	3	0	0	63	111	0	62.9	15.7	26.6	7.6	286
JE162	232	318	3	0	0	63	111	0	69.6	25.5	26.5	8.3	311.9
JE162	232	320	3	0	0	63	111	0	73.5	23	29.4	8.9	301.4
JE162	232	322	3	0	0	63	111	0	96.7	19	26.9	8	296.7
JE162	232	324	3	0	0	63	111	0	52.7	29.5	25.2	9.2	365.8
JE162	232	326	3	0	0	63	111	0	44.4	29.3	27.7	8.7	314.2
JE162	232	328	3	0	0	63	111	0	39.2	35.9	27.9	9.9	353.8
JE162	232	330	2	0	0	63	111	0	36.5	27.5	26.9	8.8	327.3
JE162	232	332	2	0	0	82	136	0	49.2	24.6	26.1	7.9	304.3
JE162	232	334	2	0	0	82	136	0	45.2	26.7	25	7.9	314.8
JE162	232	336	2	0	0	82	136	0	47.2	28.1	25	7.9	314.8
JE162	232	338	2	0	0	82	136	0	53.9	24.4	27	8	297.3
JE162	232	340	2	0	0	82	136	0	52.5	22.1	25	8	318.5
JE162	232	342	2	0	0	82	136	0	47.9	23.7	25	8.1	323.6
JE162	232	344	2	0	0	82	136	0	58.7	32.1	25.9	7.7	297.3
JE162	232	346	2	0	0	82	136	0	65.3	26	23.8	7.1	299.5
JE162	232	348	2	0	0	82	136	0	47.1	28.2	24.9	8.4	338.2
JE162	232	350	2	0	0	82	136	0	37.4	24.5	25	8.3	331.2
JE162	232	352	2	0	0	82	136	0	28.3	20.2	25.7	8	313.1
JE162	232	354	2	0	0	82	136	0	21.9	21.8	25.4	8.6	337.9
JE162	232	356	2	0	0	69	121	0	48.8	28.3	26.2	7.8	297.6
JE162	232	358	2	0	0	69	121	0	28.6	22.6	25.6	7.6	295.6
JE162	232	360	2	0	0	69	121	0	28.2	23	24.3	7.7	318.6
JE162	232	362	2	0	0	69	121	0	23	20.3	24.7	8.4	339.2
JE162	232	364	2	0	0	69	121	0	29.6	17.9	25	8.2	329.7
JE162	232	366	2	0	0	69	121	0	65.4	19.3	29.2	10.6	363.2
JE162	232	368	2	0	0	69	121	0					
JE162	232	370	2	0	0	69	121	0	106.5	22.9	26.2	8.2	313.7
JE162	232	372	2	0	0	69	121	0	57.7	22.4	23.9	8.9	371.8
JE162	232	374	2	0	0	69	121	0	49.6	18.6	25.4	8.2	321.5
JE162	232	376	2	0	0	69	121	0					

JE162	232	378		2	0	0	69	121	0	154.5	50.7	25.4	7.4	289.2
JE162	232	380		2	0	0	69	121	0	87.6	21.8	36.8	12.9	349
JE162	232	382		2	0	0	69	121	0	56.2	18.1	37.5	11.3	302.2
JE162	232	384		2	0	0	69	121	0	66.8	17.6	32.8	10.6	324.1
JE162	233	0		7					0					
JE162	233	2		4					0					
JE162	233	4		4	0	0			0	123.1	142.4	41.3	5.9	142.9
JE162	233	6		4	0	0			0	94.6	89.9	37.1	5.7	153.5
JE162	233	8		2	0	0			0	101.5	68.3	30.1	5.1	169.8
JE162	233	10		2	0	0			0	116.9	55.4	30.9	5.3	172.4
JE162	233	12		2	0	0			0	124.6	47.2	31.8	5.3	165.6
JE162	233	14		2	0	0			0	136	39.4	28.8	4.9	170.7
JE162	233	16		2	0	0			0	146	31.9	34.7	4.9	142.7
JE162	233	18		2	0	0			0	181.9	27.2	29.7	5.4	182.9
JE162	233	20		2	0	0			0	221.9	20.7	25.6	5.8	225.8
JE162	233	22		2	0	0			0	185.4	16.5	25.4	4.8	187.9
JE162	233	24		2	0	0			0	164.5	14.4	26.7	4.3	160.4
JE162	233	26		2	0	0			0	165	14.3	24.9	4.5	182.8
JE162	233	28		2	0	0			0	159.9	14.2	24.7	4.2	170.1
JE162	233	30		2	0	0			0	164.1	16.4	28.4	4.7	165.1
JE162	233	32		2	0	0	63	106	0	183.8	36.2	26.8	7.1	264.1
JE162	233	34		2	0	0	63	106	0	180.1	23.8	30.6	5.7	184.8
JE162	233	36		2	0	0	63	106	0	154.8	17	29.6	4.4	147.2
JE162	233	38		2	0	0	63	106	0	153	15.2	28.6	4.7	164.2
JE162	233	40		2	0	0	63	106	0	161.8	17.5	29.2	6.1	208.1
JE162	233	42		2	0	0	70	115	0	133.5	12.7	28	4.9	176.2
JE162	233	44		2	0	0	70	115	0	137.8	15.5	27.6	5.8	208.6
JE162	233	46		2	0	0	70	115	0	117.8	10.1	25.4	4.4	173.4
JE162	233	48		2	0	0	70	115	0	128.4	11.8	28.4	5	174.6
JE162	233	50		2	0	0	70	115	0	126.6	18.1	28.8	6.5	225.5
JE162	233	52		2	0	0	70	115	0	123.2	13	23.4	5	214
JE162	233	54		2	0	0	70	115	0	106.2	12.8	25.9	4.3	164
JE162	233	56		2	0	0	70	115	0	110.1	10.7	26.5	3.2	121.9
JE162	233	58		2	0	0	70	115	0	102.1	12.2	24.9	4.3	173.2
JE162	233	60		2	0	0	70	115	0	113.8	12.6	26.1	4.8	182.5
JE162	233	62		2	0	0	70	115	0	95.1	10.7	26.9	4.2	154.6
JE162	233	64		2	0	0	70	115	0	85.2	10.7	25.7	3.6	138.9
JE162	233	66		2	0	0	70	115	0	82.5	11.6	25.1	4.8	191.3
JE162	233	68		2	0	0	70	115	0	88	9.4	26.1	4.1	157.6
JE162	233	70		2	0	0	70	115	0	77.8	11.7	26.5	5	190
JE162	233	72		2	0	0	70	115	0	79.5	10.3	25.9	4.4	170.4
JE162	233	74		2	0	0	70	115	0	74.2	13.8	24.8	4.6	185.9
JE162	233	76		2	0	0	70	115	0	80.7	12.6	23.7	4.6	194.6
JE162	233	78		2	0	0	70	115	0	85.6	14.3	24.2	4.7	196
JE162	233	80		2	0	0	70	115	0	87.4	13.1	24.9	4.3	171.1
JE162	233	82		2	0	0	70	115	0	92.9	11.6	24	4.3	178
JE162	233	84	6.15	2	0	0	48	84	0	96.3	15	24.7	4.6	185
JE162	233	86		2	0	0	48	84	0	99.3	15.2	23.8	4.5	189.7
JE162	233	88		2	0	0	48	84	0	97.7	13.5	23.1	4.2	181.5
JE162	233	90		2	0	0	48	84	0	89.5	14.7	24	4.4	183.5
JE162	233	92		2	0	0	48	84	0	74.2	15.5	26.1	5.2	200.1
JE162	233	94		2	0	0	48	84	0	71	13.7	25.5	4.5	176.1
JE162	233	96	4.93	2	0	0	48	84	0	61.4	15.2	27.4	4.9	180.5
JE162	233	98		2	0	0	48	84	0	68.2	18.4	23.4	4.9	207.5
JE162	233	100		2	0	0	48	84	0	59	20.3	24.5	5	202.6
JE162	233	102		2	0	0	48	84	0	52.5	17.8	25.7	5	195.2
JE162	233	104		2	0	0	48	84	0	55.3	16.4	24.8	4.3	173.2
JE162	233	106		2	0	0	48	84	0	65.9	19.4	25	4.2	169
JE162	233	108	4.53	2	0	0	48	84	0	79.9	18	23.4	4.1	174.3
JE162	233	110		2	0	0	48	84	0	80.8	19.7	23.8	4	170
JE162	233	112		2	0	0	48	84	0	71.3	24.4	33.8	5.2	153.7
JE162	233	114		2	0	0	51	100	0	64.7	44.3	31.4	7.9	251.7
JE162	233	116		2	0	0	51	100	0	80.5	29.7	33.5	6.1	181.2
JE162	233	118		2	0	0	51	100	0	73.8	24.3	30.5	6.2	202.5
JE162	233	120	3.92	2	0	0	51	100	0	52	25.6	27.8	4.9	174.8
JE162	233	122		2	0	0	51	100	0	118.6	33.2	43.9	10.7	244.9
JE162	233	124		2	0	0	51	100	0	218.4	26.1	44.7	8.9	200.2
JE162	233	126		2	0	0	51	100	0	232.1	21.5	32.4	6.3	194.1

JE162	233	128		2	0	0	79	138	0	170.9	30.8	29.2	6.8	231.2
JE162	233	130		2	0	0	79	138	0	177.1	32.1	29.4	6.3	213.1
JE162	233	132	4.57	2	0	0	79	138	0	147.2	29	33.8	6.6	195
JE162	233	134		2	0	0	79	138	0	107	29.9	34	6.4	187.3
JE162	233	136		3	0	0	79	138	0	115.9	32.3	33.9	6	175.6
JE162	233	138	2.15	3	0	0	79	138	0	132.3	46.7	29.9	5.7	190.7
JE162	233	140		3	0	0	63	108	0					
JE162	233	142		3	0	0	63	108	0	87.3	33.7	35.5	6.5	183.9
JE162	233	144		3	0	0	63	108	0	96	28.6	35.8	6.9	193.1
JE162	233	146		3	0	0	63	108	0	122.6	28.7	36.1	6.3	174.3
JE162	233	148		3	0	0	63	108	0	161.4	27.7	48.3	7.9	163
JE162	233	150		3	0	0	63	108	0	188.6	25.8	58.6	9.2	157.9
JE162	233	152		3	0	0	63	108	0	252.9	26.3	58.5	8.5	144.6
JE162	233	154		3	0	0	63	108	0	251	28.8	48.5	7.2	149.1
JE162	233	156		3	0	0	63	108	0	252.9	31.8	38.2	7.1	185.4
JE162	233	158		3	0	0	63	108	0	280	24.9	42.9	6.9	160.9
JE162	233	160		3	0	0	63	108	0	251.9	25.3	37.3	6.3	167.6
JE162	233	162		3	0	0	63	108	0	201.5	26.3	36.8	6.3	171.2
JE162	233	164		3	0	0	55	95	0	183.5	23	32.4	5.3	163.5
JE162	233	166		3	0	0	55	95	0	159.3	34.9	36.1	5.6	155.4
JE162	233	168		3	0	0	55	95	0	171.9	41.7	39.1	6.9	176.3
JE162	233	170		3	0	0	55	95	0	183.3	40.2	42.8	7.2	167.4
JE162	233	172		3	0	0	55	95	0	194.5	40.4	39.9	6.9	172.1
JE162	233	174		3	0	0	55	95	0	187.9	31.4	37.5	5.8	155.1
JE162	233	176		3	0	0	62	127	0	208.7	29.5	39.8	6.5	162.1
JE162	233	178		3	0	0	62	127	0	269.3	33.4	39	6.6	170.2
JE162	233	180		3	0	0	62	127	0	205.9	31	32.7	5.6	171.7
JE162	233	182		3	0	0	62	127	0	171.8	30.4	35.8	6.2	171.8
JE162	233	184		3	0	0	62	127	0	180.7	32.3	39.9	5.4	134.8
JE162	233	186		3	0	0	59	97	0	252.7	36.4	36.4	5.5	149.9
JE162	233	188		3	0	0	59	97	0	237	34.2	39.1	5.6	142.2
JE162	233	190		3	0	0	59	97	0	199.3	32.8	35.6	5.3	149.5
JE162	233	192		3	0	0	59	97	0	200.3	30.5	34.5	4.9	141.1
JE162	233	194		3	0	0	59	97	0	373.1	54.5	44.9	6.9	153.9
JE162	233	196		3	0	0	59	97	0	330.1	38.3	34.9	5.6	159.4
JE162	233	198		3	0	0	59	97	0	262.5	40.6	29.8	5.1	172.5
JE162	233	200		3	0	0	59	97	0	262.1	39.3	37.2	5.2	140.2
JE162	233	202		3	0	0	59	97	0	230	34.8	34	5.3	154.6
JE162	233	204		3	0	0	59	97	0	205	32.7	32.7	4.8	146.2
JE162	233	206		3	0	0	59	97	0	255.5	38.7	33.3	5.5	164.2
JE162	233	208		3	0	0	59	97	0	273	33.6	34.1	4.4	129.5
JE162	233	210		3	0	0	59	97	0	178.2	43.3	31.8	6.9	217.5
JE162	233	212		3	0	0	66	110	0	209.7	39.3	29.6	5.5	185.9
JE162	233	214		3	0	0	66	110	0	189.3	37.1	29	5	172.3
JE162	233	216		3	0	0	66	110	0	237.8	39.6	27.7	4.6	164.6
JE162	233	218		3	0	0	66	110	0	374.1	58.5	29.3	6.5	223.2
JE162	233	220		3	0	0	66	110	0	251.5	36.6	24.8	4.1	164
JE162	233	222		3	0	0	66	110	0	210.4	40.4	29.3	4.5	154.4
JE162	233	224		3	0	0	66	110	0	213.8	43.7	37	6.3	169.3
JE162	233	226		3	0	0	66	110	0	439.9	39.2	29	5.6	191.9
JE162	233	228		3	0	0	66	110	0	237.4	34.7	30.5	4.8	158.9
JE162	233	230		3	0	0	66	110	0	253.3	39	41.6	7.5	180.5
JE162	233	232		3	0	0	66	110	0	291	44	34	6.8	200.1
JE162	233	234		3	0	0	66	110	0	317.2	41.5	30.2	6	198.2
JE162	233	236		3	0	0	66	110	0	304.5	39.8	30.2	6.1	200.7
JE162	233	238		3	0	0	66	110	0	339	47.6	31.5	6.7	212.4
JE162	233	240		3	0	0	66	110	0	232.3	54.1	33.7	7.5	222.9
JE162	233	242		3	0	0	60	105	0	186.5	49.2	30.1	7	231.1
JE162	233	244		3	0	0	60	105	0	157	43.7	26	5.7	218.6
JE162	233	246		3	0	0	60	105	0	151.9	41.7	32.4	6.9	213.9
JE162	233	248		3	0	0	60	105	0	106.6	43.2	27	5.7	210.3
JE162	233	250		3	0	0	60	105	0	97.1	40.5	24.6	5.4	218.7
JE162	233	252		3	0	0	60	105	0	87.7	39.3	27.3	6.2	225.3
JE162	233	254		3	0	0	60	105	0	95	44.9	24.9	5.1	206.3
JE162	233	256		3	0	0	60	105	0	116.5	47.8	23.2	4.7	203.1
JE162	233	258		3	0	0	60	105	0	89.8	45.7	24.5	4.9	199.3
JE162	233	260		3	0	0	64	114	0	74.5	46.3	24.6	5.8	237.5
JE162	233	262		3	0	0	64	114	0	182.7	54.4	37.8	9.2	244

JE162	233	264		3	0	0	64	114	0	177.2	42	35.2	7.9	223.5
JE162	233	266		3	0	0	64	114	0	135.5	40.1	28.2	6.4	226.5
JE162	233	268		3	0	0	64	114	0	123.4	50.5	34.8	8.4	241.1
JE162	233	270		3	0	0	64	114	0	73.7	41.6	26.4	7.2	273.1
JE162	233	272		3	0	0	64	114	0	67.1	40.6	24.8	6.9	280
JE162	233	274		3	0	0	64	114	0	70.1	41.9	29.9	8.6	286.3
JE162	233	276		3	0	0	64	114	0	76.1	42.1	26.8	6.7	248.1
JE162	233	278		3	0	0	64	114	0	73.5	41.8	25.1	6.9	275.3
JE162	233	280		3	0	0	64	114	0	72.3	39.5	28.7	7.2	250.1
JE162	233	282		3	0	0	33	65	0	62.8	31.9	27.4	6.2	227.9
JE162	233	284		3	0	0	33	65	0	89.8	39.5	44.2	10.1	228.6
JE162	233	286		3	0	0	33	65	0	134	40.5	36	7.8	217.9
JE162	233	288		3	0	0	33	65	0	96.3	34.3	28.7	6.9	240
JE162	233	290		3	0	0	33	65	0	101.7	35.1	33.9	7.2	213.8
JE162	233	292		3	0	0	33	65	0	93	27.3	22.3	4.9	220
JE162	233	294		3	0	0	33	65	0	67.2	33.2	26.3	6.2	235.3
JE162	233	296		3	0	0	33	65	0	74.9	35.4	32.3	7.5	232.3
JE162	233	298		3	0	0	33	65	0	61.7	34.2	26.9	6	224.3
JE162	233	300		3	0	0	33	65	0	70.6	33.3	24.9	5.5	220.1
JE162	233	302		3	0	0	33	65	0	82.2	31.4	31.4	6.8	215.5
JE162	233	304		3	0	0	33	65	0	78.2	25.6	28.1	5.3	187.1
JE162	233	306		3	0	0	33	65	0	70.6	35	27.8	6.4	231.6
JE162	233	308		3	0	0	33	65	0	72.9	35.7	30.7	7	227.5
JE162	233	310		3	0	0	33	65	0	71.9	34.5	30.5	6.1	201
JE162	233	312		3	0	0	33	65	0	63.5	36.6	28	5.3	190.8
JE162	233	314		3	0	0	33	65	0	61.3	37.1	33.2	6.7	200.5
JE162	233	316		3	0	0	33	65	0	52.4	37.7	26.8	5.6	207.6
JE162	233	318		3	0	0	33	65	0	60.3	38.5	26.6	5.9	222.4
JE162	233	320		3	0	0	33	65	0	75.2	40.5	27.9	6.5	233
JE162	233	322		3	0	0	33	65	0	108.9	31.2	30.9	6.3	205.4
JE162	233	324		3	0	0	33	65	0	89.8	37.5	27.9	7.3	262.5
JE162	233	326		3	0	0	33	65	0					
JE162	233	328		3	0	0	33	65	0	66.8	36.4	32.3	8.1	250.3
JE162	233	330		2	0	0	33	65	0	247.7	50.8	33.9	7.4	216.9
JE162	233	332		2	0	0	66	108	0	118.5	44.3	35.5	7.7	217.6
JE162	233	334		2	0	0	66	108	0	58.8	43.5	29.8	7.3	243.7
JE152	40	0		1					0					
JE152	40	2		1					0					
JE152	40	4		1					0					
JE152	40	6		1					0					
JE152	40	8		2					0					
JE152	40	10		2					0					
JE152	40	12		2					0					
JE152	40	14		2					0					
JE152	40	16		2					0					
JE152	40	18		2					0					
JE152	40	20		2					0					
JE152	40	22		2					0					
JE152	40	24		2					0	61.4	98	34.1	3.1	89.9
JE152	40	26		4					0	128.5	84.1	96.9	9.1	93.7
JE152	40	28		4			58	120	0	318.6	33.3	61.5	5.6	90.3
JE152	40	30		4			58	120	0	343.9	29.7	27.7	3.8	137.9
JE152	40	32		2	0	0	58	120	0	492.9	6.6	22.7	5.7	250.4
JE152	40	34		2	0	0	58	120	0	390.7	6.6	22.9	5.9	256.1
JE152	40	36		2	0	0	58	120	0	757.3	5.2	25.6	6.2	243.7
JE152	40	38		2	0	0	58	120	0	741.7	5.1	29.8	7.5	253
JE152	40	40		2	0	0	58	120	0	1232.4	5.5	25.1	6.3	251
JE152	40	42	4.43	2	0	0	58	120	0	209.5	22	23.5	3.5	149.6
JE152	40	44		2	0	0	58	120	0	135.1	22.2	22.5	2.9	128.1
JE152	40	46		2	0	0	58	120	0	94.1	21.3	21.4	2.6	122.6
JE152	40	48		2	0	0	58	120	0	82.8	21.4	22.3	2.8	124.8
JE152	40	50		2	0	0	58	120	0	90.2	21.2	21.4	2.7	125.2
JE152	40	52		2	0	0	112	172	0	92.1	18.6	22.6	2.6	114
JE152	40	54		2	0	0	112	172	0	86.3	25.4	27	3.1	114.5
JE152	40	56		2	0	0	112	172	0	90	24.4	27.9	2.7	96
JE152	40	58	3.64	2	0	0	112	172	0	78.9	19.4	29.2	5.1	174.7
JE152	40	60		2	1	0	112	172	0	98.8	16.5	23.2	4.1	176
JE152	40	62		2	0	0	112	172	0	102.1	12.4	23.2	3.9	169.5

JE152	40	64			2	1	0	112	172	0	114	12.7	22	4.3	196.7
JE152	40	66			2	0	0	112	172	0	89.7	39.5	26.9	4.6	172
JE152	40	68	3.3		2	0	0	112	172	0	83	13.6	18.9	3.3	176.1
JE152	40	70			2	0	0	112	172	0	88	20.3	20	3.3	164.9
JE152	40	72			2	0	0	112	172	0	81.8	19.1	18.7	3.1	167.3
JE152	40	74			2	0	0	112	172	0	85.3	17	20.4	3.3	160
JE152	40	76			2	0	0	106	152	0	63.8	16.7	19.5	2.8	145
JE152	40	78			2	0	0	106	152	0	73.7	20.1	23.5	3.8	162
JE152	40	80			2	0	0	106	152	0	60.8	23.8	22.4	3.5	157.2
JE152	40	82	2.94		2	0	0	106	152	0	72.3	22.2	23	4.5	194.1
JE152	40	84			2	0	0	106	152	0	90.7	26.5	21.4	4	186.8
JE152	40	86			2	0	0	106	152	0	135.1	26.1	20	3.9	195.8
JE152	40	88			2	0	0	106	152	0	177.1	22.5	18.9	3.4	179.1
JE152	40	90			2	0	0	106	152	0	229.7	28.9	24.7	4.6	187.2
JE152	40	92	1.87		2	0	0	106	152	0	264.5	27.9	22.7	3.9	172.2
JE152	40	94			2	0	0	106	152	0	223.4	26.7	21.1	4.5	215.8
JE152	40	96			2	0	0	106	152	0	264	25.7	19.8	4.2	212.7
JE152	40	98			2	0	0	106	152	0	342.2	24.5	19.6	4.2	212.1
JE152	40	100			2	0	0	106	152	0	266.5	25.6	20.4	4.4	214.7
JE152	40	102			2	0	0	106	152	0	235.3	18.8	21	4.7	221.4
JE152	40	104	0.92		2	0	0	106	152	0	216.5	21.6	20.2	4.7	232.9
JE152	40	106			2	0	0	106	152	0	226.6	17.5	36.6	9.3	253.4
JE152	40	108			2	0	0	106	152	0	169.1	12.1	33.2	9.5	286.2
JE152	40	110			2	0	0	106	152	0	181.2	13.3	36.8	9.4	255.4
JE152	40	112			2	0	0	106	152	0	221.2	12.6	19.9	5.5	277.1
JE152	40	114			2	0	0	106	152	0	189.9	15.6	21.1	6	283.7
JE152	40	116			2	0	0	106	152	0	294	9.1	20.8	5.7	271
JE152	40	118			2	0	0	106	152	0	227.8	35.4	29.1	7.2	245.8
JE152	40	120			2			106	152	0	203	7.8	21.5	5.9	274.4
JE152	40	122			2			106	152	0	303.7	7.4	22.4	5.8	257.2
JE152	40	124			2			66	100	0	218.6	7.6	21.9	5.4	247.8
JE152	40	126			2			66	100	0	90.7	17.2	20.7	3.6	175.1
JE152	40	128			2			66	100	0	91.8	20.7	19.5	3.4	174
JE152	41	0			1					0					
JE152	41	2			1					0					
JE152	41	4			1					0					
JE152	41	6			1					0					
JE152	41	8			2					0					
JE152	41	10			2					0					
JE152	41	12			2					0					
JE152	41	14			2					0					
JE152	41	16			2					0					
JE152	41	18			2					0					
JE152	41	20			2					0					
JE152	41	22			2					0					
JE152	41	24			2					0	69	117.8	31.6	4	127.5
JE152	41	26			4					0	203.2	157.8	115.8	8.7	74.7
JE152	41	28			4			58	120	0	478.5	111.3	81.8	7.9	97.1
JE152	41	30	7.08	535.4	4			58	120	0	727.8	33.3	34.2	7.3	212.9
JE152	41	32			2	0	0	58	120	0	290.7	56.2	18.5	4.7	251.4
JE152	41	34			2	0	0	58	120	0	225.1	64.4	18.8	5.2	278.4
JE152	41	36			2	0	0	58	120	0	234.3	62.3	18.8	5.1	270.9
JE152	41	38			2	0	0	58	120	0	242.3	51.2	22.9	7	305.3
JE152	41	40			2	0	0	58	120	0	205.5	60.4	22.7	5.9	261.7
JE152	41	42			2	0	0	58	120	0	277	68.1	18.6	5.7	307
JE152	41	44			2	0	0	58	120	0	247.9	65	23.3	5.7	245.6
JE152	41	46			2	0	0	58	120	0	200.8	55.9	24.7	6.8	276.9
JE152	41	48			2	0	0	58	120	0	247.9	57.4	18.7	5.9	313.5
JE152	41	50			2	0	0	58	120	0	262.8	57.6	24.5	6	245.9
JE152	41	52			2	0	0	112	172	0	113	57.2	23.8	5.4	227.7
JE152	41	54	3.15	276.27	2	0	0	112	172	0	163.3	61.1	20.4	5.1	251.9
JE152	41	56			2	0	0	112	172	0	171.8	57.5	18.4	5.2	281.4
JE152	41	58			2	0	0	112	172	0	185.2	49.6	21	5.7	271
JE152	41	60			2	1	0	112	172	0	202.5	72.8	15.3	4.8	311.3
JE152	41	62			2	0	0	112	172	0	138.1	37.8	29.1	10.6	365.6
JE152	41	64			2	1	0	112	172	0	691.6	24.6	22.5	5.8	256.9
JE152	41	66			2	0	0	112	172	0	555.3	25.4	19.7	4.1	205.8
JE152	41	68			2	0	0	112	172	0	465.3	27.8	21.6	4.2	192.3

JE152	41	70			2	0	0	112	172	0	279.5	24	20.6	3.3	160.6
JE152	41	72			2	0	0	112	172	0	302.4	31.9	20.7	3.9	187.4
JE152	41	74			2	0	0	112	172	0	303.4	31.2	18.9	3.7	196.4
JE152	41	76			2	0	0	106	152	0	261.5	39.9	24.2	4.7	193.4
JE152	41	78	2.17	184.75	2	0	0	106	152	0	292.9	36.4	21.9	4.7	213.3
JE152	41	80			2	0	0	106	152	0	283.2	39.1	22.5	5	220.6
JE152	41	82			2	0	0	106	152	0	288.3	41.5	22.4	5.1	230.2
JE152	41	84			2	0	0	106	152	0	277.3	49.9	20.6	4.8	233.6
JE152	41	86			2	0	0	106	152	0	283.8	43.3	21.5	4.9	230.1
JE152	41	88			2	0	0	106	152	0	277.6	48.5	20.8	4.6	223.4
JE152	41	90			2	0	0	106	152	0	273.6	69.4	20.9	5	238.8
JE152	41	92			2	0	0	106	152	0	246.1	55.4	20.9	4.4	209.9
JE152	41	94			2	0	0	106	152	0	248.9	57.9	19.4	4.3	224.3
JE152	41	96			2	0	0	106	152	0	225.9	49.8	20.7	5.2	250.5
JE152	41	98			2	0	0	106	152	0	207.8	51.5	22.6	5.6	248.3
JE152	41	100			2	0	0	106	152	0	195.5	62.1	22.6	5.9	261.8
JE152	41	102	1.81	146.54	2	0	0	106	152	0	172.8	69.1	23.9	5.3	220
JE152	41	104			2	0	0	106	152	0	142.6	64.3	20.6	4.8	234.1
JE152	41	106			2	0	0	106	152	0	145.6	61.9	22.5	4.6	205.3
JE152	41	108			2	0	0	106	152	0	158	60.7	16.4	3.8	229.8
JE152	41	110			2	0	0	106	152	0	209.5	55.1	16.8	3.8	228.2
JE152	41	112			2	0	0	106	152	0	257	64.6	17.2	4.1	235.7
JE152	41	114			2	0	0	106	152	0	288.2	59	18.3	4.3	235.1
JE152	41	116			2	0	0	106	152	0	299.2	62	18.7	4.8	256.4
JE152	41	118			2	0	0	106	152	0	344.5	59.2	17.3	4.2	245.9
JE152	41	120			2			106	152	0	395.2	55.3	18.5	4.7	252.2
JE152	41	122			2			106	152	0	392.9	55.9	17.8	4.7	263.4
JE152	41	124			2			66	100	0	301.1	53.3	18.5	5.7	309.9
JE152	41	126	0.99	114.2	2			66	100	0	295.9	56.9	18	5	280.6
JE152	41	128			2			66	100	0	328.7	55.8	28.5	8.2	287
JE152	41	130			2			66	100	0	280.1	61.3	31.9	9.3	290.9
JE152	41	132			2			66	100	0	270.8	59.8	32.3	8.6	264.6
JE152	41	134			2			66	100	0	318	54.3	19.2	5.3	277.7
JE152	41	136			2			66	100	0	350.8	61.2	19.5	5.6	288.8
JE152	41	138			2			66	100	0	337.4	64.7	25.3	7	277.3
JE152	41	140			2			66	100	0	271.3	57.2	18.3	4.6	253.9
JE152	41	142			2			66	100	0	235.2	63.4	18	4.9	270.6
JE152	41	144			2			66	100	0	227.4	62.8	20.7	5.3	256.3
JE152	41	146			2			66	100	0	301.5	62.8	18.1	4.6	252.3
JE152	41	148			2			72	98	0	249.6	69.3	22	4.5	206.8
JE152	41	150	0.73	154.63	2			72	98	0	250.9	66.4	18.8	4.6	243
JK147	37	0			2					0					
JK147	37	2			2					0					
JK147	37	4			2					0					
JK147	37	6			2					0					
JK147	37	8			2					0					
JK147	37	10			2					0					
JK147	37	12			2					0					
JK147	37	14			2					0					
JK147	37	16			2					0					
JK147	37	18			2					0					
JK147	37	20			2					0					
JK147	37	22			2					0					
JK147	37	24			2					0					
JK147	37	26			2					0					
JK147	37	28			2					0					
JK147	37	30			2					0					
JK147	37	32			2					0					
JK147	37	34			2					0					
JK147	37	36	0.26		2					0	26	12.7	21.5	2.3	105.9
JK147	37	38			2					0	25.9	5.9	21	2	97.1
JK147	37	40			1					0	38.3	6.2	21.5	2.2	100.2
JK147	37	42			1					0	28.1	4.4	20.4	1.8	85.8
JK147	37	44			2					0	32.8	7.7	19.8	2	99.7
JK147	37	46	0.12		2			38	76	0	39.8	4.6	24.3	2.6	108.6
JK147	37	48			2			38	76	0	36.3	3.7	23.7	2.2	91.4
JK147	37	50			2			38	76	0	46	2.9	22.2	2.8	125.4
JK147	37	52			2			38	76	0	44.2	2.6	24	2.5	105.6

JK147	37	54		2	38	76	0	40.1	3.5	31.4	4	127.1
JK147	37	56		2	38	76	0	43.5	2.6	32	3.8	118.7
JK147	37	58	0.08	2	38	76	0	40.6	2.7	35.5	3.5	97.5
JK147	37	60		2	38	76	0	42.9	2.7	35.6	3.2	89.9
JK147	37	62		2	38	76	0	43.1	2	35.8	3	84.2
JK147	37	64		2	38	76	0	39.1	2.1	34.8	2.5	71.6
JK147	37	66		2	38	76	0	39.6	2.4	36.2	2.5	67.8
JK147	37	68		2	38	76	0	50.4	2.4	34.1	2.9	85.3
JK147	37	70	0.13	2	86	140	0	53.5	2.7	35.5	3	83.8
JK147	37	72		2	86	140	0	69.1	4.3	34	2.9	84.9
JK147	37	74		2	86	140	0	64.8	3.1	32.3	3	92.1
JK147	37	76		2	86	140	0	63.5	2.9	30	2.7	90.5
JK147	37	78		2	86	140	0	60.6	2.4	27.3	2.2	82.2
JK147	37	80		1	86	140	0	60.3	2.4	28.6	2.7	94.6
JK147	37	82	0.21	1	86	140	0	64	3.7	27	2.9	108.6
JK147	37	84		1	86	140	0	51.8	3.2	27.6	2.6	94.6
JK147	37	86		1	86	140	0	55.2	2.4	33.8	2.6	76.2
JK147	37	88	0.89	1	86	140	0	60.8	2.7	32.2	2.5	78.2
JK147	37	90		2	86	140	0	60.5	3.1	33.4	2.4	73.2
JK147	37	92		2	86	140	0	60.9	3.4	32	2.6	79.6
JK147	37	94		2	78	128	0	58.6	4.1	38	3	78.4
JK147	37	96		2	78	128	0	60.7	3.3	29.1	2.6	87.6
JK147	37	98		2	78	128	0	63.1	4.6	29.3	2.9	100.3
JK147	37	100		2	78	128	0	57.8	14.2	30.5	2.1	69
JK147	37	102		2	78	128	0	85.3	12.9	27.7	1.9	68.2
JK147	37	104		1	78	128	0	89	3.5	31.3	2.4	77
JK147	37	106		1	78	128	0	72.8	5.4	34.4	2.1	61.3
JK147	37	108		1	78	128	0	70.5	3.1	38.2	2.3	60.6
JK147	37	110		1	78	128	0	79.5	5.5	26.2	2.1	79.7
JK147	37	112		1	78	128	0	56.6	4.5	30.5	1.9	63.7
JK147	37	114		1	78	128	0	66.2	7.1	28.2	1.8	63.9
JK147	37	116		1	78	128	0	66.5	8	28.6	2.3	80.3
JK147	37	118		1	80	200	0	48.4	5.4	26.3	1.9	73.9
JK147	37	120		1	80	200	0	47.7	3	28	1.9	66.3
JK147	37	122		1	80	200	0	45	3	32.9	2.2	68.3
JK147	37	124		1	80	200	0	56.6	3.8	34.2	2.1	60.7
JK147	37	126		1	80	200	0	62.3	4.6	29.8	2.1	69.4
JK147	37	128		1	80	200	0	58	2.7	30.4	2.1	70.1
JK147	37	130		1	80	200	0	51.4	3.9	29.4	2	68
JK147	37	132		1	80	200	0	59.8	7.8	34.2	2.1	62.5
JK147	37	134		1	80	200	0	67.3	6.9	33.6	2.2	66.2
JK147	37	136		1	80	200	0	62.2	2.8	26.3	1.9	72.2
JK147	37	138		1	80	200	0	64.5	6.1	27.8	1.9	69.1
JK147	37	140		1	80	200	0	46.7	3.4	35.1	2.1	61.3
JK147	37	142		1	66	102	0	37.4	3.1	29.1	1.7	60
JK147	37	144		1	66	102	0	43.4	7.7	23.7	3.1	130.5
JK147	37	145		1	66	102	0	69.9	6	20.2	2.4	119.9
JK147	37	146		1	66	102	0	69.3	4.1	23.1	2.2	93.7
JK147	37	148		1	66	102	0	35.2	6	22.4	2.6	117
JK147	37	150		1	66	102	0	41.6	4.8	20.8	2.6	124.4
JK147	37	152		1	66	102	0	60.1	7.2	24.1	2.9	122.2
JK147	37	154		1	66	102	0	42.2	8	23.5	2.7	114.9
JK147	37	156		1	66	102	0	39.5	8.3	23.9	2.8	117.4
JK147	37	158		1	66	102	0	46.8	9.8	23.2	2.8	122.4
JK147	37	160		1	66	102	0	56.8	7.3	24.7	2.6	105
JK147	37	162		1	66	102	0	58.6	7.3	25.1	2.8	110.9
JK147	37	164		1	78	128	0	56.9	8.2	25.5	3.7	143.4
JK147	37	166		1	78	128	0	58.1	9.3	20.7	3.2	156.2
JK147	37	168		1	78	128	0	62.5	16.3	21.9	3	138.1
JK147	37	170		1	78	128	0	63.8	13.1	23.9	2.7	113.4
JK147	37	172		1	78	128	0	38.7	9.9	20.4	2.8	137.8
JK147	37	174		1	78	128	0	64.1	10.3	22.6	2.6	113.2
JK147	37	176		1	78	128	0	55.7	7.1	22.6	2.9	128.1
JK147	37	178		1	78	128	0	61	5	22.4	3	133.9
JK147	37	180		1	78	128	0	53.9	7	24	2.9	119.6
JK147	37	182		1	78	128	0	41.5	6.2	23.4	3.1	132.2
JK147	37	184		1	78	128	0	41.6	6.3	23	4.3	187
JK147	37	186		1	78	128	0	57	7	22.2	3.1	140

JK147	37	188		1	58	110	0	59	7.8	22.2	3.1	138.2
JK147	37	190		1	58	110	0	66.7	6.6	20.6	2.2	106.6
JK147	37	192		1	58	110	0	47.6	7.4	21.1	2.6	123.4
JK147	37	194		1	58	110	0	62.3	7.1	22.5	3	132.6
JK147	37	196		1	58	110	0	67.9	5.9	26.5	3.4	126.7
JK147	37	198		1	58	110	0	55	5	22.9	3	131.5
JK147	37	200		1	58	110	0	39.2	4.6	20.8	2.9	139.2
JK147	37	202		1	58	110	0	47.9	10.2	30.6	3.7	120.5
JK147	37	204		1	58	110	0	37.8	5.4	22.2	2.5	113.3
JK147	37	206		1	58	110	0	46.1	5.1	23.1	2.7	115.8
JK147	37	208		1	58	110	0	47	5.1	23.4	2.7	113.6
JK147	37	210		1	58	110	0	54	5.2	21.8	3.1	142.9
JK147	37	212		1	58	110	0	41.9	3.9	20.9	2.8	134.6
JK147	37	214		1	58	110	0	52	4.3	20.7	2.8	134.5
JK147	38	0		2			0					
JK147	38	2		2			0					
JK147	38	4		2			0					
JK147	38	6		2			0					
JK147	38	8		2			0					
JK147	38	10		2			0					
JK147	38	12		2			0					
JK147	38	14		2			0					
JK147	38	16		2			0					
JK147	38	18		2			0					
JK147	38	20		2			0					
JK147	38	22		2			0					
JK147	38	24		2			0					
JK147	38	26		2			0					
JK147	38	28		2			0					
JK147	38	30		2			0					
JK147	38	32		2			0					
JK147	38	34		2			0					
JK147	38	36		2			0	15.4	10.1	12.3	1.5	123.5
JK147	38	38		2			0	16.1	9.2	12.3	1.3	103.6
JK147	38	40		1			0	15.3	8.2	14.1	1.1	81.2
JK147	38	42		1			0	14.3	6.4	12.9	1.4	105.8
JK147	38	44		2			0	14.9	5.5	11.7	1.4	117.4
JK147	38	46		2	38	76	0	18.3	6.1	12.2	1.3	104.6
JK147	38	48		2	38	76	0	14.9	5.8	11.5	1.1	93.6
JK147	38	50		2	38	76	0	22.4	5.9	11.1	1	92.9
JK147	38	52		2	38	76	0	18	5.4	11.9	1.1	94.3
JK147	38	54		2	38	76	0	19	6.1	10.6	1.2	111.5
JK147	38	56		2	38	76	0	17.2	5.3	11.8	1.2	100.9
JK147	38	58		2	38	76	0	18.7	5	12.6	1.3	104.6
JK147	38	60		2	38	76	0	18.6	5.9	12.3	1.4	116.8
JK147	38	62		2	38	76	0	20.4	6.5	13.1	1.5	116.8
JK147	38	64	0	2	38	76	0	19.8	4.5	12.9	1.3	96.7
JK147	38	66		2	38	76	0	20.6	4.6	13.1	1.2	95.1
JK147	38	68		2	38	76	0	27.9	4.3	12.7	1.7	130.8
JK147	38	70		2	86	140	0	32.9	4.5	12.8	1.6	127.5
JK147	38	72		2	86	140	0	38.4	4.1	12.1	1.6	132.8
JK147	38	74		2	86	140	0	39.2	4.5	13.3	1.6	121.6
JK147	38	76		2	86	140	0	39.2	3.9	12	1.4	116.3
JK147	38	78		2	86	140	0	34	4.7	11.4	1.4	122.5
JK147	38	80		1	86	140	0	29.1	3.9	12.1	1.5	125.3
JK147	38	82	0.12	1	86	140	0	30	3	12.7	1.4	109.6
JK147	38	84		1	86	140	0	26.6	3.3	12.8	1.4	110.2
JK147	38	86		1	86	140	0	30.9	3.9	13.4	1.3	94.8
JK147	38	88		1	86	140	0	40.4	3.3	15	1.5	97.2
JK147	38	90		2	86	140	0	43.4	3.4	16.7	1.6	95.5
JK147	38	92		2	86	140	0	37	2.8	16	1.5	95.8
JK147	38	94	0.1	2	78	128	0	38.4	3.6	17.3	2	113.9
JK147	38	96		2	78	128	0	36.7	3.5	15.9	1.8	115.2
JK147	38	98		2	78	128	0	28.9	4.7	16.4	2.1	127.1
JK147	38	100		2	78	128	0	38.2	4.3	15.5	1.1	72.9
JK147	38	102	0.29	2	78	128	0	38.8	3.4	14.5	1.3	90.5
JK147	38	104		1	78	128	0	31.5	3.8	18.4	1.4	73.7
JK147	38	106	0.04	1	78	128	0	31.9	2.5	19	1.4	71.6

JK147	38	108		1	78	128	0	34.9	2.9	18.4	1.4	73.9
JK147	38	110		1	78	128	0	33.4	2.8	18	1.5	85.3
JK147	38	112		1	78	128	0	28.9	2.6	15.8	1.4	91.5
JK147	38	114		1	78	128	0	22.6	2.7	17.1	1.8	106.1
JK147	38	116		1	78	128	0	19	2.9	18.3	1.5	84.5
JK147	38	118	0	1	80	200	0	19.1	2.3	20.1	1.7	81.9
JK147	38	120		1	80	200	0	17.1	2.5	20.5	1.7	82.5
JK147	38	122		1	80	200	0	22.3	2.7	20	1.9	95
JK147	38	124		1	80	200	0	30	5.5	21.4	1.8	83.5
JK147	38	126		1	80	200	0	28.3	1.2	18.8	1.8	95.2
JK147	38	128		1	80	200	0	26.6	2.8	18.5	2	106.1
JK147	38	130		1	80	200	0	28.2	2.8	19.7	1.9	97.8
JK147	38	132		1	80	200	0	19.1	2.5	22.4	1.7	75.7
JK147	38	134		1	80	200	0	27.2	1.9	23.6	2	85.5
JK147	38	136		1	80	200	0	29.6	2.2	28.3	1.9	67.6
JK147	38	138		1	80	200	0	50.7	2.1	25.1	2.4	94.5
JK147	38	140		1	80	200	0	20.2	3.2	25	1.8	73.3
JK147	38	142		1	66	102	0	22.2	1.8	24.1	2	82.7
JK147	38	144		1	66	102	0	22.6	3.2	19.4	2.5	131.6
JK147	38	145		1	66	102	0	30	8.2	25.9	2.46	95
JK147	38	146		1	66	102	0	27.9	2.3	19.2	2.1	108.6
JK147	38	148		1	66	102	0	16.4	2.3	17.6	3	171.8
JK147	38	150		1	66	102	0	14.1	1.6	17.2	3.1	178.7
JK147	38	152		1	66	102	0	24.8	5.9	17.2	3	175.5
JK147	38	154		1	66	102	0	12.6	4.4	18.9	2.7	144.2
JK147	38	156		1	66	102	0	16.8	4.8	17.7	2.6	144
JK147	38	158		1	66	102	0	14.1	3.5	18.5	3	160
JK147	38	160		1	66	102	0	22.4	5	18.9	2.4	129
JK147	38	162		1	66	102	0	24.1	4.9	19.9	2.6	128.6
JK147	38	164		1	78	128	0	23.9	3.1	21.4	3.7	172
JK147	38	166		1	78	128	0	35.7	2.3	19.6	2.7	138.1
JK147	38	168		1	78	128	0					
JK147	38	170		1	78	128	0	19.9	2.3	26.1	4.4	169.5
JK147	38	172		1	78	128	0	29.8	2.7	19.7	3	153.7
JK147	38	174		1	78	128	0	25	3.9	22.9	2.4	104.5
JK147	38	176		1	78	128	0	35.3	2.8	25	3.2	129.1
JK147	38	178		1	78	128	0	39.2	2.9	20.4	3.1	150.7
JK147	38	180		1	78	128	0	33.9	3.5	20.2	2.5	122.5
JK147	38	182		1	78	128	0	22.1	3.4	20.2	2.7	133.3
JK147	38	184		1	78	128	0	29.5	2.2	19.9	3	149.5
JK147	38	186		1	78	128	0	32.2	4.3	19.9	2.7	136.4
JK147	38	188		1	58	110	0	31	4.4	19.8	2.7	133.8
JK147	38	190		1	58	110	0	31.7	3.3	19.5	2	100.4
JK147	38	192		1	58	110	0	31	4.1	20.5	2.5	120.8
JK147	38	194		1	58	110	0	37.8	2.7	19.4	2.3	119
JK147	38	196		1	58	110	0	38.4	3.4	20.6	2.8	133.7
JK147	38	198		1	58	110	0	29.6	2.9	21.6	2.6	119.3
JK147	38	200		1	58	110	0	30.6	3.1	19.3	2.3	121.3
JK147	38	202		1	58	110	0	28.9	2.8	20.1	2.1	106.6
JK147	38	204		1	58	110	0	22.3	2.6	20.1	2	101.5
JK147	38	206		1	58	110	0	30.5	2.8	22.7	2.4	105.2
JK147	38	208		1	58	110	0	32	2.7	20.9	2.3	109
JK147	38	210		1	58	110	0	31	2.3	35.3	4.4	125.9
JK147	38	212		1	58	110	0	20.7	2.1	18	2.3	126.6
JK147	38	214		1	58	110	0	27.3	3.7	17.8	2.3	128.9
JS162	197	0		1			0					
JS162	197	2		4			0					
JS162	197	4		2			0					
JS162	197	6		2			0					
JS162	197	8		2			0					
JS162	197	10		2			0					
JS162	197	12		2			0					
JS162	197	14		2			0					
JS162	197	16		2			0					
JS162	197	18		2			0					
JS162	197	20		2			0					
JS162	197	22		2			0					
JS162	197	24		2			0					

JS162	197	26			2						0						
JS162	197	28			2						0						
JS162	197	30			2						0						
JS162	197	32			2						0						
JS162	197	34			2						0						
JS162	197	36			2						0						
JS162	197	38			2						0						
JS162	197	40			2						0						
JS162	197	42			2						0						
JS162	197	44			2			74	135	0							
JS162	197	46			3			74	135	0							
JS162	197	48			2			74	135	0							
JS162	197	50			2			74	135	0							
JS162	197	52			2			74	135	0							
JS162	197	54			2			74	135	0							
JS162	197	56			2			74	135	0							
JS162	197	58			2			74	135	0							
JS162	197	60			2			74	135	0							
JS162	197	62			3			74	135	0							
JS162	197	64			3			74	135	0							
JS162	197	66			3			74	135	0							
JS162	197	68			3			76	145	0							
JS162	197	70			3			76	145	0							
JS162	197	72			3			76	145	0							
JS162	197	74			3	0	0	76	145	0							
JS162	197	76			5	0	0	76	145	0							
JS162	197	78			5	0	0	76	145	0							
JS162	197	80			5	0	0	76	145	0							
JS162	197	82			5	0	0	76	145	0							
JS162	197	84			5	0	0	76	145	0							
JS162	197	86			5	0	0	76	145	0							
JS162	197	88			6	0	0	68	124	0							
JS162	197	90			6	0	0	68	124	0							
JS162	197	92			6	0	0	68	124	0							
JS162	197	94			6	0	0	68	124	0							
JS162	197	96			6	0	1	68	124	0							
JS162	197	98			6	0	0	68	124	0							
JS162	197	100			6	0	0	68	124	0							
JS162	197	102			6	0	0	68	124	0							
JS162	197	104			6	0	0	68	124	0							
JS162	197	106			6	0	0	68	124	0							
JS162	197	108			6	0	0	68	124	0							
JS162	197	110			6	0	0	68	124	0							
JS162	197	112			6	0	1	56	111	0	78.8	96.3	33.9	7.5	219.6		
JS162	197	114			6	0	0	56	111	0	56.4	81.7	25.3	7.3	286.5		
JS162	197	116	4.31	495.28	6	0	1	56	111	0	42.9	72.6	24.2	5.9	244.8		
JS162	197	118			6	0	1	56	111	0	43.4	69.8	24.1	5.6	232.6		
JS162	197	120			6	0	0	56	111	0	50.5	66.4	23.1	5.6	242.4		
JS162	197	122			6	0	0	56	111	0	53.1	66.9	22.7	5.5	240.3		
JS162	197	124			6	0	0	56	111	0	46.5	58.5	22.4	5.3	239.1		
JS162	197	126			6	0	0	56	111	0	42.3	55	22.6	5.2	229.6		
JS162	197	128			6	0	0	56	111	0	45.5	53.5	22.7	4.9	217.4		
JS162	197	130			6	0	0	56	111	0	65.4	54.3	28.1	6.5	232.6		
JS162	197	132			6	0	0	56	111	0	51.2	51.2	27.3	5.9	217.3		
JS162	197	134			6	0	0	56	111	0	86.9	53.3	27.5	6.5	235.4		
JS162	197	136			6	0	0	74	147	0	78.1	53.5	28.9	6.9	240.1		
JS162	197	138	1.51	297.79	6	0	0	74	147	0	84.2	53.9	28.6	6.5	226.7		
JS162	197	140			6	0	0	74	147	0	82	60	30.7	6.5	211.5		
JS162	197	142			6	0	0	74	147	0	79	61.7	27.2	6.3	232		
JS162	197	144			6	0	0	74	147	0	70.7	62.6	29.3	5.9	201.6		
JS162	197	146			6	0	0	74	147	0	86.1	56.6	30.4	5.4	176.7		
JS162	197	148			6	0	0	74	147	0	76.5	53.6	30.9	5.9	191.7		
JS162	197	150			6	0	0	74	147	0	74.5	54.5	31.6	5.6	176.9		
JS162	197	152			6	0	0	74	147	0	75.1	52	34.9	6	170.8		
JS162	197	154			6	0	0	74	147	0	85	50.7	34.6	6.4	185.5		
JS162	197	156			6	0	0	74	147	0	104	43.9	37.3	5.2	138.7		
JS162	197	158			6	0	0	74	147	0	124.7	45.9	33.8	5.2	153		
JS162	197	160			6	0	0	65	136	0	121.3	44.3	31.1	4.7	150.8		

JS162	197	162	1.14	36.13	6	0	0	65	136	0	134.9	46.8	25.4	5.2	204.1
JS162	197	164			6	0	0	65	136	0	136.3	43.9	26.1	5.2	200.7
JS162	197	166			6	0	0	65	136	0	187.2	51.6	25.7	5.4	210.1
JS162	197	168			6	0	0	65	136	0	249.7	48.8	26.7	5.6	210.6
JS162	197	170			6	0	0	65	136	0	433.3	53	28.5	5.1	180
JS162	197	172			6	0	0	65	136	0	336.3	48.5	27.2	5.6	207.6
JS162	197	174			6	0	0	65	136	0	334.1	54.2	28.4	6.2	219
JS162	197	176			6	0	0	65	136	0	273	39.5	25.4	5.3	207.8
JS162	197	178			6	0	1	65	136	0					
JS162	197	180			6	0	0	65	136	0	271	35.2	28.5	5	174.5
JS162	197	182			6	0	0	65	136	0	243	32.9	29.2	4.9	169.1
JS162	197	184			6	0	0	59	122	0	219.2	34.7	29	5.2	179.9
JS162	197	186	1.03	75.15	6	0	0	59	122	0	225.1	31.1	27.3	4.9	177.8
JS162	197	188			6	0	0	59	122	0	237.8	31.7	27.3	5.2	188.9
JS162	197	190			6	0	0	59	122	0	196.2	40.1	26.3	6.2	233.9
JS162	197	192			6	0	0	59	122	0	159.3	37.3	24.9	5.9	236.9
JS162	197	194			6	0	0	59	122	0	142.3	31.2	26.9	5.7	213.4
JS162	197	196			6	0	0	59	122	0	167.7	30.9	26.1	6.2	238
JS162	197	198			6	0	0	59	122	0	135.6	26	25	6.2	250.2
JS162	197	200			6	0	0	59	122	0	126.8	26.7	23.3	5.5	234.4
JS162	197	202			6	0	0	59	122	0	133.6	24	26	5.7	218.8
JS162	197	204			6	0	0	59	122	0	110.4	20.3	24.6	6.4	258.3
JS162	197	206			6	0	0	59	122	0	102.5	10.6	20.9	6.3	301.9
JS162	197	208			6	0	0	59	122	0	109.9	6.5	22.6	6.1	269.6
JS162	197	210	1.33	192.84	6	0	0	60	130	0	112.9	6.2	22	4.8	219.9
JS162	197	212			6	0	0	60	130	0	112.7	7.1	24.6	6	243.3
JS162	197	214			6	0	0	60	130	0	119.5	10.1	24.6	6.9	281.8
JS162	197	216			6	0	0	60	130	0	113	6.1	26.8	7	261.6
JS162	197	218			6	0	0	60	130	0	119.6	3.6	24.7	6.7	271
JS162	197	220			6	0	0	60	130	0	137.1	6.8	24.6	6.5	266
JS162	197	222			6	0	0	60	130	0	158.9	2.7	19.7	6	304
JS162	197	224			6	0	0	60	130	0	130.6	2.1	19.1	5.5	287.7
JS162	197	226			6	0	0	60	130	0	101.3	1.8	22.9	5.7	247.2
JS162	197	228			6	0	0	60	130	0	105.6	1.6	21.9	5.9	268.4
JS162	197	230			6	0	0	60	130	0	116.5	1.2	22.1	5.8	262.8
JS162	197	232			6	0	0	60	130	0	183.5	1.2	22.6	5.7	251.7
JS162	197	234			6	0	0	60	130	0	234.6	2	23.4	4.8	203.9
JS162	197	236			6	0	0	60	130	0	244.2	2.1	24.3	5.2	215.5
JS162	197	238			6	0	0	60	130	0	236.5	1	25.5	5.7	224.2
JS162	197	240			6	0	0	60	130	0	227	1	26	5.8	224.7
JS162	197	242			6	0	1	60	130	0	238.4	1	24.6	7.2	292.6
JS162	197	244			6	0	0	60	130	0	109.3	1	24.3	7.1	290.4
JS162	197	246			6	0	0	60	130	0	117.3	1	22	6.6	301.4
JS162	197	248			6	0	0	60	130	0	146.1	1.8	24.8	6.4	259.8
JS162	197	250			6	0	0	60	130	0	160	1.2	24.8	6.7	267.8
JS162	197	252			6	0	0	60	130	0	17		117	6.9	59.4
JS162	197	254			6	0	0	60	130	0	227.3	1.4	28.3	6.6	232.9
JS162	197	256			6	0	0	68	153	0	72.2		23	5.6	242.4
JS162	197	258			6	0	0	68	153	0	74.3	1	21.7	5.5	253.5
JS162	197	260			6	0	0	68	153	0	68.6		22.9	4.9	213.7
JS162	197	262			6	0	0	68	153	0	95.3	1	24.7	5.1	207.4
JS162	197	264			6	0	0	68	153	0	124.1	1.4	27	5.9	216.9
JS162	197	266			6	0	0	68	153	0	217.5	1	27.1	6.7	245.7
JS162	197	268			6	0	0	68	153	0	305.5	2.1	24.9	6.5	262.9
JS162	197	270			6	0	0	68	153	0	135.8		25.5	6.5	256.3
JS162	197	272			6	0	0	68	153	0	43.5		24.9	6.7	270
JS162	197	274			6	0	0	68	153	0	124.2		25.9	6.6	254.5
JS162	197	276			6	0	0	68	153	0					
JS162	197	278			6	0	0	68	153	0	79.9	11.2	33.1	7.5	225.7
JS162	197	280			6	0	0	50	135	0	79.7	1.5	28.4	9.4	332.4
JS162	197	282			6	0	0	50	135	0	90.8		28.6	9.1	316.2
JS162	197	284			6	0	0	50	135	0				9	
JS162	197	286			6	0	0	50	135	0	135.6	1	31.5	7.6	241.8
JS162	197	288			6	0	0	50	135	0	95.6	3	26.3	7	264.8
JS162	197	290			6	0	0	50	135	0	112.1	2.5	26.2	7.9	300.6
JS162	197	292			6	0	0	50	135	0					
JS162	197	294			6	0	0	50	135	0	336.7	3.7	28.9	9.8	338.5
JS162	197	296			6	0	0	50	135	0	23.3	1.9	227.3	8.6	37.8

JS162	197	298		6	0	0	50	135	0	106.3	1.6	22.8	7	308.4
JS162	197	300		6	0	0	50	135	0	97.6	1.2	21.6	6	276.1
JS162	197	302		6	0	0	50	135	0	38.4	1.3	109.9	6.2	56.7
JS162	197	304		6	0	0	47	124	0	187.1	1.3	23.7	6.7	280.7
JS162	197	306		6	0	0	47	124	0	224.5	2.1	25.4	7.4	293
JS162	197	308		6	0	0	47	124	0	81.3	3.1	228	9.1	39.8
JS162	197	310		6	0	0	47	124	0	225.9	1.7	23.8	8.3	347.8
JS162	197	312		6	0	0	47	124	0	201.8	1.7	24.7	7.5	303
JS162	197	314		6	0	0	47	124	0	316.5	1.3	23.6	8	338
JS162	197	316		6	0	0	47	124	0	127.3	1.1	25.2	8.4	332.4
JS162	197	318		6	0	0	47	124	0	60	1	28.3	9.2	325.3
JS162	197	320		6	0	0	47	124	0	606.2	2.4	26.1	10.4	397.6
JS162	197	322		6	0	0	47	124	0	144.1	1.4	23	8.5	366.9
JS162	197	324		6	0	0	47	124	0	42.2		163.9	8.3	50.5
JS162	197	326		6	0	0	47	124	0	335.2	1.2	22.8	8.7	382.8
JS162	197	328		6	0	0	57	124	0	167.4	1.5	22	7	320.2
JS162	197	330		6	0	0	57	124	0	70.1	1.2	163.6	8.8	53.8
JS162	197	332		6	0	0	57	124	0	276.7	1.2	23.2	7.9	339.5
KB154	224	34		7	0	0	75	110	0	1356.6	7.2	28.9	7.7	266.4
KB154	224	36		7	0	0	75	110	0	657.7	6.6	28.6	7.5	261.7
KB154	224	38		7	0	0	79	149	0	645	6.2	29.1	7.7	263.4
KB154	224	40		7	0	0	79	149	0	710.4	6.7	28.7	7.6	264.7
KB154	224	42		7	0	0	79	149	0	776.4	6.2	27.7	7.3	262
KB154	224	44		7	0	0	79	149	0	1115.3	7.3	27.6	7.7	278.8
KB154	224	46		7	0	0	79	149	0	1209.9	7.2	26.8	7.4	277.4
KB154	224	48		7	0	0	79	149	0	1289.7	6.6	27.5	7.9	285.4
KB154	224	50		7	0	0	79	149	0	1120.3	8.6	27.6	8.4	303.9
KB154	224	52		7	0	0	79	149	0	925	7.7	27.8	8.4	303
KB154	224	54		7	0	0	79	149	0	919	8.2	29.2	9.4	319.8
KB154	224	56		7	0	0	135	216	0	826.9	7.4	28.8	9.4	324.9
KB154	224	58		7	0	0	135	216	0	634.1	8.7	30.2	8.2	272.1
KB154	224	60		7	0	0	135	216	0	754.8	8.5	29.3	8.7	298.5
KB154	224	62		7	0	0	135	216	0	866.9	5.3	27	8.8	324.4
KB154	224	64		7	0	0	135	216	0	956.4	6.4	27.1	8.9	327.8
KB154	224	66		7	0	0	135	216	0	1097	6	27	8.4	313.2
KB154	224	68		7	0	0	135	216	0	1375.3	7.2	28.3	8.6	304.4
KB154	224	70		7	0	0	135	216	0	1315.5	7.3	26.9	7.6	281.3
KB154	224	72	11.32	7	0	0	135	216	0	1108.6	6.6	26.5	7.7	292
KB154	224	74		7	0	0	135	216	0	1266	6.4	28.2	7.1	251.9
KB154	224	76		7	0	0	135	216	0	1298.7	7.3	28.9	7	242.7
KB154	224	78		7	0	0	135	216	0	1172.6	7.5	28.6	7.5	261.1
KB154	224	80		7	0	0	135	216	0	1092	7.3	28.9	7.9	273.2
KB154	224	82		7	0	0	135	216	0	1001.6	6.8	29.1	8.3	286.4
KB154	224	84		7	0	0	135	216	0	848.7	7.7	29.4	8.9	303.6
KB154	224	86		7	0	0	135	216	0	856.9	6.8	30.8	9.1	295.1
KB154	224	88		7	0	0	133	205	0	902.3	7.1	30.7	8.9	288.9
KB154	224	90		7	0	0	133	205	0	818.5	6.1	31.3	8.4	269.2
KB154	224	92		7	0	0	133	205	0	1172.9	6	31.5	7.8	248.9
KB154	224	94		7	0	0	133	205	0	1188.5	6.3	32.2	8.8	273.5
KB154	224	96	11.49	7	0	0	133	205	0					
KB154	224	98		7	0	0	133	205	0	249.8	6.4	27.5	8.4	305.4
KB154	224	100		7	0	0	133	205	0	232.5	6	27	8.2	304.9
KB154	224	102		7	0	0	133	205	0	338.7	5.9	28.1	9.2	327.3
KB154	224	104		7	0	0	133	205	0	307.2	5.8	31.9	10.3	323.8
KB154	224	106		7	0	0	86	135	0	271.2	6.1	27.1	9.4	346.6
KB154	224	108	11.32	7	0	0	86	135	0	230	10.9	27.4	9.5	345.8
KB154	224	110		7	0	0	86	135	0					
KB154	224	112		7	0	0	86	135	0	191.6	62.8	34.8	3.3	93.5
KB154	224	114		7	0	0	86	135	0	138.2	45.8	36.5	3.1	85.3
KB154	224	116		7	0	0	86	135	0	123.4	33.5	33.2	3.5	105.5
KB154	224	118		7	0	0	86	135	0	155.5	25.1	33.6	4.5	133.9
KB154	224	120	7.56	7	0	0	86	135	0	187.1	21.6	33.4	5.1	153.5
KB154	224	122		7	0	0	86	135	0	198.3	19.2	34.8	5	143.6
KB154	224	124		7	0	0	86	135	0	210.2	17.7	34	4.6	135.5
KB154	224	126		7	0	0	86	135	0	204.7	16.4	34.3	4.8	141
KB154	224	128		7	0	0	181	292	0	198.6	13.9	31.7	4.7	148.1
KB154	224	130		7	0	0	181	292	0	190.7	13.7	31.5	4.7	150.6
KB154	224	132	8.92	7	0	0	181	292	0	184.8	12.4	30.2	4.8	158.1

KB154	224	134	7	0	0	181	292	0	160	11	29.7	4.2	140
KB154	224	136	7	0	0	181	292	0	153.1	9.2	30	4.5	150.5
KB154	224	138	7	0	0	181	292	0	163.2	13.3	30.2	4.5	147.7
KB154	224	140	7	0	0	181	292	0	173.2	8.5	30.7	4.6	150.2
KB154	224	142	7	0	0	181	292	0	278.3	10.3	30.8	5.3	172.7
KB154	224	144	7	0	0	181	292	0	823.5	9.2	29.2	5	171.5
KB154	224	146	7	0	0	181	292	0	986.6	7.1	27.6	4.7	169.8
KB154	224	148	7	0	0	181	292	0	878.1	7.1	32.9	5.1	156.3
KB154	224	150	7	0	0	181	292	0					
KB154	224	152	7	0	0	156	261	0	738.3	7.3	30.7	4.9	161.3
KB154	224	154	7	0	0	156	261	0	721.9	7.3	29.4	4.9	165.7
KB154	224	156	7	0	0	156	261	0	812.1	5.6	27.7	4.7	170.5
KB154	224	158	7	0	0	156	261	0	1204.4	5.6	27.8	4.7	167.9
KB154	224	160	7	0	0	156	261	0	1106	5.7	27.3	4.4	160.3
KB154	224	162	7	0	0	156	261	0	919.1	5.6	29.7	5	169.8
KB154	224	164	7	0	0	156	261	0	945.7	5.5	28.7	4.3	151.5
KB154	224	166	7	0	0	156	261	0	1113.4	4.4	25.2	3.9	155.1
KB154	224	168	7	0	0	156	261	0	1018.7	5.8	30.7	4.6	149.2
KB154	224	170	7	0	0	156	261	0	1131.1	6.4	30.1	4.5	149.2
KB154	224	172	7	0	0	156	261	0	1226.8	6.1	30.7	5.7	185.2
KB154	224	174	7	0	0	156	261	0	1274.7	7	31.4	6.4	204.5
KB154	224	176	7	0	0	156	261	0	1489.4	5.2	28.6	6.3	222
KB154	224	178	7	0	0	58	82	0	1674.5	5.6	25.7	5.8	225.2
KB154	224	180	7	0	0	58	82	0	1863.4	4.2	21.1	5.3	249
KB154	224	182	7	0	0	58	82	0	2132.5	4.9	24.9	5.7	228.4
KB154	224	184	7	0	0	58	82	0	2180.1	5.7	29.3	5.9	202.3
KB154	224	186	7	0	0	58	82	0	2131.4	6.8	32.2	6.1	188.1
KB154	224	188	7	0	0	58	82	0	2167.1	4.9	34.1	6.6	192.9
KB154	224	190	7	0	0	58	82	0	2294.3	4.7	36.4	5.4	148.8
KB154	224	192	7	0	0	58	82	0	2191.6	4.1	38	5.2	135.9
KB154	224	194	7	0	0	58	82	0	2420	4.4	40.4	5.6	139.4
KB154	224	196	7	0	0	58	82	0	2107.8	3.7	39.9	5	125.6
KB154	224	198	7	0	0	58	82	0	2052.2	3.5	39.8	5	125.4
KB154	224	200	7	0	0	67	106	0	2118.1	3.5	43.2	5.3	122.8
KB154	224	202	7	0	0	67	106	0	2109.5	3.7	41.9	5.2	124.8
KB154	224	204	7	0	0	67	106	0	2455.7	7.7	37.1	9	241.4
KB154	224	206	7	0	0	67	106	0	2216.3	6	37.8	5.8	153.1
KB154	224	208	7	0	0	67	106	0	2422.5	4.8	35	5	142.7
KB154	224	210	7	0	0	67	106	0	2140.3	4.8	37.4	4.8	127.4
KB154	224	212	7	0	0	67	106	0	1467.8	5.1	36.8	5	135.1
KB154	224	214	7	0	0	67	106	0	1477.7	5.9	36	4.8	132.8
KB154	224	216	7	0	0	67	106	0	1567.5	4.5	35.7	4.6	128.9
KB154	224	218	7	0	0	67	106	0	1565.2	4.2	34.4	4.6	132.5
KB154	224	220	7	0	0	67	106	0	1647.6	4	34.2	3.4	99.2
KB154	224	222	7	0	0	67	106	0	1613.5	4.6	35.3	4.6	129.4
KB154	224	224	7	0	0	80	130	0	1179.4	4.7	34.6	4.9	141.9
KB154	224	226	7	0	0	80	130	0	1072.6	4.6	34.9	5.1	145.4
KB154	224	228	7	0	0	80	130	0	1127.8	4.3	35.2	5.1	145.8
KB154	224	230	7	0	0	80	130	0	1133.9	4	35	5	143.3
KB154	224	232	7	0	0	80	130	0	1094.5	3.9	33.2	5	151.2
KB154	224	234	7	0	0	80	130	0	1016.3	4.2	32.8	5	151
KB154	224	236	7	0	0	80	130	0	1031.7	4.6	31.7	4.6	144.9
KB154	224	238	7	0	0	80	130	0	1122.5	4.7	30.9	5	161.8
KB154	224	240	7	0	0	80	130	0	930.9	5.3	33.2	5.1	153.8
KB154	224	242	7	0	0	80	130	0	1011	3.9	31.4	5.1	163.1
KB154	224	244	7	0	0	80	130	0	1125.7	3.4	31.7	5.1	162.5
KB154	224	246	7	0	0	80	130	0	928.5	2.9	32.8	4.8	147.6
KB154	224	248	7	0	0	80	130	0	1141.4	3.1	30.8	4.5	145.5
KB154	224	250	7	0	0	80	130	0	1201.8	3.3	30.5	4.9	161.2
KB154	224	252	7	0	0	80	130	0	1484.4	3.1	32.2	4.4	137.3
KB154	224	254	7	0	0	164	237	0	1413.2		30.6	4.3	139.7
KB154	224	256	7	0	0	164	237	0	1231.6	2.8	32.5	4.7	144.9
KB154	224	258	7			164	237	0	1201.3	3	32.4	4.6	142.4
KB154	224	260	7			164	237	0	1206.8	3	30.4	4.8	156.5
KB154	224	262	7			164	237	0	1262.6	2.8	30.8	4.9	157.4
KB154	224	264	7			164	237	0	1123.6	2.3	30.1	4.3	144.6
KB154	224	266	7			164	237	0	1141.1	3.5	32.3	4.5	139.6
KB154	224	268	7			164	237	0	1573.9	3.3	34.4	4.7	135.3

KB154	224	270		7			164	237	0	1483.6	3.1	34.5	4.6	133.2
KB154	224	272		7			164	237	0	1137.5	3.1	34.1	4.6	135.4
KB154	224	274		7			164	237	0	1116.9	3.1	34.8	4.7	134.9
KB154	224	276		7			96	142	0	1018	3.5	35.2	4.7	133.3
KB154	224	278		7			96	142	0	1319.5	3	32.7	4.6	140.7
KB154	224	280		7			96	142	0	1386.2	3	32.8	4.5	138.6
KB154	224	282		7			96	142	0	1308.9	2.6	33.4	4.6	138.3
KB154	224	284		7			96	142	0	1322.2	2.6	34.5	5	144.9
KB154	224	286		7			96	142	0	1406.8	3.2	33.7	5.1	152.2
KB154	224	288		7			96	142	0	1615.2	3.1	33.9	5.2	153.4
KB154	224	290		7			96	142	0	1490.9	3.4	32.9	5.2	157.4
KB154	224	292		7			96	142	0	1410.9	3.5	32.1	5.4	169
KB154	224	294		7			96	142	0	1501.8	3.4	33.5	5.4	161.1
KB154	224	296		7			151	225	0	1629.9	3.7	36.5	5.6	153.3
KB154	224	298		7			151	225	0	817.6	4.8	34.9	4.9	138.9
KB154	224	300		7			151	225	0	1402.6	8.8	28.4	6.1	212.8
KB154	224	302		7			151	225	0	1124.8	18.5	23	4.9	212.2
KB154	224	304		7			151	225	0	1205.1	17.4	23.1	4.7	201.7
KB154	224	306		7			151	225	0	1091.4	19.1	21.2	4.8	226.1
KB154	224	308		7			151	225	0	886.2	16.4	22.5	4.7	207.7
KB154	224	310		7			151	225	0	1404.3	5.7	26.8	6.2	230
KB154	224	312		7			151	225	0	983.2	6.1	29.4	6.5	220.1
KB154	224	314		7			151	225	0	1252.8	6.5	29.1	6.4	219
KB154	224	316		7			151	225	0					
KB154	224	318		7			151	225	0	1230.3	7.1	27.1	6.1	223.4
KB154	224	320		7			179	279	0	1123.2	5.8	28.6	5.9	204.7
KB154	224	322		7			179	279	0	1483.8	6.3	28.6	7.1	248.2
KB154	224	324		7			179	279	0	1234.5	6	27.7	6.7	241
KB154	224	326		7			179	279	0	1013.2	5.9	28.8	6.8	237.1
KB154	224	328		7			179	279	0	665.4	5.8	26.2	7.2	273.3
KB154	224	330		7			179	279	0	654.3	6.6	31.9	10	313.4
KB154	224	332		7			179	279	0	476	5.6	28.9	8.6	299
KB154	224	334		7			179	279	0					
KB154	224	336		7			179	279	0	263.9	6.5	28.9	8.5	293.5
KB154	224	338		7			179	279	0	395.7	7	28.5	8.5	299.2
KB154	224	340		7			179	279	0	277.6	7	28.2	9.2	325.4
KB154	224	342		7			179	279	0	318.2	6.5	26.2	8.1	309.5
KB154	224	344		7			188	251	0	2313	5.7	25.4	5.9	232.7
KB154	224	346		7			188	251	0	1647.4	5	32.7	5.3	163.1
KB154	224	348		7			188	251	0	1252.4	4.8	32.4	5.2	161.3
KE156	146	0		2					0					
KE156	146	1		8					0					
KE156	146	3		8					0					
KE156	146	5		8					0					
KE156	146	7		8	0	0			0					
KE156	146	9		8	0	0			0					
KE156	146	11		8	0	0			0	843.9	89.3	26	6.6	253.3
KE156	146	13		8	0	0			0	712.6	67.5	26.5	6.6	248.2
KE156	146	15	23.85	8	0	0			0	556.7	45.6	26.8	5.7	213.6
KE156	146	17		8	0	0			0	462.4	44.5	26.6	6.9	257.7
KE156	146	19		8	0	0			0	392.8	44.1	24.9	6.2	249.5
KE156	146	21		6	0	0			0	331.8	45	26.2	6.5	246.9
KE156	146	23		6	0	0			0	193.5	23.9	31.6	5.1	161.3
KE156	146	25		6	0	0			0	177	21.9	30	4.2	139.3
KE156	146	27	11.21	6	0	0			0	171	25.6	30.4	4.1	134.8
KE156	146	29		6	0	0			0	148.1	14.8	31.3	3.2	101.5
KE156	146	31		6	0	0			0	141.6	19.2	29.1	3.4	115.2
KE156	146	33		6	0	0			0	139.5	17.3	28.8	3.4	118.8
KE156	146	35		6	0	0			0	136	16.5	29.4	3.4	115.4
KE156	146	37		6	0	0			0	124.1	15.1	30.1	3.1	103.1
KE156	146	39	6.45	6	0	0			0	119.3	14.6	29.7	3.4	112.9
KE156	146	41	3.02	6	0	0			0	109.6	11.6	33.5	2.9	86.7
KE156	146	43		6	0	0			0	113.7	13.2	30.8	2.7	88.8
KE156	146	45		6	0	0	88	129	0	103.4	16	25.3	2.5	99.1
KE156	146	47		6	0	0	88	129	0	97.1	14.4	31.2	2.9	94.3
KE156	146	49		6	0	0	88	129	0	110.2	12.3	35.6	2.7	75.5
KE156	146	51	4.5	6	0	0	88	129	0	121.2	14.8	31	3.4	110.7
KE156	146	53		6	0	0	88	129	0	100	11.7	29.9	3	99

KE156	146	55		6	0	0	88	129	0	88.2	11.1	28.9	3.1	105.7
KE156	146	57		6	0	0	88	129	0	87.9	9.5	29.4	3	101.7
KE156	146	59		6	0	0	88	129	0	101	11.3	29.2	2.9	97.9
KE156	146	61		6	0	0	88	129	0	98.1	10.4	30.7	2.8	92.8
KE156	146	63	3.35	6	0	0	88	129	0	71.5	9.8	30.9	2.9	95.3
KE156	146	65		6	0	0	88	129	0	76.7	9.7	29.7	2.9	97.7
KE156	146	67		6	0	0	88	129	0	79.2	8.6	29.6	3	100.4
KE156	146	69		6	0	0	55	127	0	74.5	7.2	31.2	2.8	90.6
KE156	146	71		6	0	0	55	127	0	71.7	10.2	31.7	3.3	105.1
KE156	146	73		6	0	0	55	127	0	71.7	10.2	31.3	3.5	112.6
KE156	146	75	3.15	6	0	0	55	127	0	69.6	8.2	29.5	3.5	120.3
KE156	146	77		6	0	0	55	127	0	66.4	7.6	29.4	3.4	116.5
KE156	146	79		6	0	0	55	127	0	70.4	7.9	28	3.2	115.7
KE156	146	81		7	0	0	55	127	0	63.2	7.6	28.7	3.6	125.2
KE156	146	83		7	0	0	55	127	0	63.2	8.4	29.9	3.5	117.6
KE156	146	85		7	0	0	55	127	0	62.7	7.9	28.6	3.4	120
KE156	146	87	2.68	7	0	0	55	127	0	62.5	6.4	28.8	3.6	126.4
KE156	146	89		7	0	0	55	127	0	57.4	6.3	28	3.5	125.5
KE156	146	91		7	0	0	55	127	0	76.7	6.3	28.7	3.3	115.8
KE156	146	93		7	0	0	91	136	0	54.9	6.5	30.3	3.4	111.9
KE156	146	95		7	0	1	91	136	0	60.3	7.7	30.5	3	99.1
KE156	146	97		7	0	0	91	136	0	53.3	5.7	32.2	3.4	104.1
KE156	146	99	2.65	7	0	0	91	136	0	60	5.5	31.3	3.6	114.2
KE156	146	101		7	0	0	91	136	0	62.2	5.1	31.3	3.5	112.4
KE156	146	103		7	0	0	91	136	0	54.1	5.6	30.1	3.9	130.3
KE156	146	105		7	0	0	91	136	0	44.6	4.5	28.9	4.7	163.7
KE156	146	107		7	0	0	91	136	0	48.3	3.3	28.2	4.3	152.8
KE156	146	109		7	0	0	91	136	0	40.8	3.1	29.4	4.1	138.3
KE156	146	111	2.37	7	0	0	91	136	0	48.4	3.3	31.4	4	126.9
KE156	146	113		7	0	0	91	136	0	42.2	1.9	32.5	4.3	131.9
KE156	146	115		7	0	0	91	136	0	46.5	3.6	32.1	4.1	126.9
KE156	146	117		7	0	0	91	136	0	81.7		40	7.7	192.6
KE156	146	119		7	0	0	113	152	0	51.8		30.5	5.1	165.6
KE156	146	121		7	0	0	113	152	0	50.8	2.3	31.2	4	129.6
KE156	146	123		7	0	0	113	152	0	40.9	3.1	32.5	5.7	176
KE156	146	125		7	0	0	113	152	0	43.4		31.5	5.3	168.8
KE156	146	127	1.91	7	0	0	113	152	0	35.1	1.8	34.9	5.4	154.9
KE156	146	129		7	0	0	113	152	0	35.5	1.9	34	5.4	158.3
KE156	146	131		7	0	0	113	152	0	38.8	1.6	31.4	5.3	167.5
KE156	146	133		7	0	0	113	152	0	35	2.6	31.6	5.2	165
KE156	146	135	0.68	7	0	0	113	152	0	34.2	1.6	31.9	5.6	174.2
KE156	146	137		7	0	0	113	152	0	33.9		31.7	5.6	175.6
KE156	146	139		7	0	0	113	152	0	36.6		33.9	6.1	181.2
KE156	146	141		7	0	0	62	103	0	39.7		34.6	6	173.8
KE156	146	143		7	0	0	62	103	0	37.7		34.1	5.9	174.3
KE156	146	145		7	0	0	62	103	0	41.9		37.6	5.9	157.6
KE156	146	147	1.8	7	0	0	62	103	0	38		38.6	5.7	148.4
KE156	146	149		7	0	0	62	103	1	42		33.8	5.7	167.5
KE156	146	151		7	0	0	62	103	1	41		32.4	5.9	183.6
KE156	146	153		7	0	0	62	103	1	40.7		36.1	6.3	173.3
KE156	146	155		6	0	0	62	103	1	39.3		34.8	6	172.9
KE156	146	157		6	0	0	62	103	1	46.5		35.6	5.8	161.7
KE156	146	159	1.78	6	0	0	62	103	1	114.5		33.8	7.8	229.5
KE156	146	161		6	0	0	62	103	1	34		37.4	6.5	173.8
KE156	146	163		6	0	0	62	103	1	45.8		35.3	6.1	172.5
KE156	146	165		6	0	0	62	103	1	47		38.1	6.1	159.4
KE156	146	167		6	0	0	62	103	1	50.8		36.3	6.2	169.6
KE156	146	169		6	0	0	62	103	1	52.8		38.7	5.8	149
KE156	146	171	1.42	6	0	0	111	181	1	54.5		35.1	6	172.1
KE156	146	173		6	0	0	111	181	1	48.8		40	5.8	145.1
KE156	146	175		6	0	0	111	181	1	49.1		42.9	6	139.6
KE156	146	177		6	0	0	111	181	1	51.1		41.6	5.9	141.5
KE156	146	179		6	0	0	111	181	1	47.7		40.2	5.7	141.1
KE156	146	181		6	0	0	111	181	1	43.9		40.2	6.2	155.3
KE156	146	183	0.86	6	0	0	111	181	1	43.9	1.3	34.5	6.3	181.1
KE156	146	185		6	0	0	111	181	1	46.5		33.8	7.5	221.4
KE156	146	187		6	0	0	111	181	1	45.6		34	6.4	188.8
KE156	146	189		6	0	0	95	143	1	40.9		36.2	6.3	172.9

KE156	146	191			6	0	0	95	143	1	45.1		32.4	6.3	194.5
KE156	146	193			6	0	0	95	143	1	48.6		31.6	5.9	187.6
KE156	146	195	1.52		6	0	0	95	143	1	43.7		35.4	5.8	163.9
KE156	146	197			6	0	0	95	143	1	42.5	1.1	34.7	5.7	165.1
KE156	146	199			6	0	0	95	143	1	38.3		35.9	5.9	164.3
KE156	146	201			6	0	0	95	143	1	47		37.1	6	161.5
KE156	146	203			6	0	0	95	143	1	39.1		34.5	6.8	196.3
KE156	146	205			6	0	0	95	143	0	36.8	1.6	31.9	5.7	179.8
KE156	146	207			6	0	0	95	143	1	45.9	1.8	33.8	6.1	179.9
KE156	146	209			6	0	0	95	143	1	46.4		32.3	6.1	189.9
KE156	146	211			6	0	0	95	143	1	50.2	1.2	36.9	6.6	179.3
KE156	146	213			6	0	0	73	123	1	47.4		39	6.5	166.1
KE156	146	215			6	0	0	73	123	1	42.4		42.3	6	142.5
KE156	147	0			2					0					
KE156	147	1			8					0					
KE156	147	3			8					0					
KE156	147	5			8					0					
KE156	147	7			8	0	0			0					
KE156	147	9			8	0	0			0	916.8	103.79	30.2	3.29	108.8
KE156	147	11			8	0	0			0	705.1	66.27	30.2	3.28	108.5
KE156	147	13			8	0	0			0	510.1	42.98	30.5	3.53	115.8
KE156	147	15	24.96	1470.02	8	0	0			0	373.8	31.5	28.8	3.86	134
KE156	147	17			8	0	0			0	296.7	29.17	26	4.64	178.4
KE156	147	19			8	0	0			0	195.5	25.61	28.6	3.58	125.2
KE156	147	21			6	0	0			0	199.3	21.1	27.5	4.45	161.6
KE156	147	23			6	0	0			0	290.7	46.38	26.8	7.33	273.5
KE156	147	25			6	0	0			0	255.6	48.65	28	7.72	276
KE156	147	27	19.75		6	0	0			0	242.3	48.77	28	8.16	291.2
KE156	147	29			6	0	0			0	218.6	49.82	28.8	7.83	271.4
KE156	147	31			6	0	0			0	186.6	42.11	28.2	7.18	254.4
KE156	147	33			6	0	0			0	169.7	45.67	28.3	6.69	236.8
KE156	147	35			6	0	0			0	152.6	40.65	27.7	6.02	217.6
KE156	147	37			6	0	0			0	135	43.82	27.9	5.75	205.8
KE156	147	39	17		6	0	0			0	120.5	40.35	28.2	5.32	188.8
KE156	147	41			6	0	0			0	101.2	51.31	29.7	7.18	242
KE156	147	43			6	0	0			0	93.4	40.07	26.9	5.49	203.6
KE156	147	45			6	0	0	88	129	0	88.4	45.26	36.6	5.72	156.1
KE156	147	47			6	0	0	88	129	0	74.9	51.44	29.7	6.85	230.7
KE156	147	49			6	0	0	88	129	0	75.1	49.96	30.1	6.34	210.2
KE156	147	51	8.16		6	0	0	88	129	0	79.9	45.24	28.3	6.46	228.5
KE156	147	53			6	0	0	88	129	0	85.6	35.89	30.4	5.5	180.8
KE156	147	55			6	0	0	88	129	0	83.3	40.24	28.7	5.81	202.7
KE156	147	57			6	0	0	88	129	0	81.5	39.96	30	5.81	193.4
KE156	147	59			6	0	0	88	129	0	81.7	36.03	29.4	5.05	171.6
KE156	147	61			6	0	0	88	129	0	80.1	41.39	28.2	5.3	188.2
KE156	147	63	8.14		6	0	0	88	129	0	96.5	36	29.9	4.85	162.2
KE156	147	65			6	0	0	88	129	0	92.6	36.22	30.8	4.95	160.8
KE156	147	67			6	0	0	88	129	0	82.6	40.25	31.4	5.38	171.4
KE156	147	69			6	0	0	55	127	0	72.6	45.41	31.5	5.66	179.8
KE156	147	71			6	0	0	55	127	0	76.1	43.97	30	5.42	180.7
KE156	147	73			6	0	0	55	127	0	71.5	44.43	30	5.97	199.2
KE156	147	75	7.62		6	0	0	55	127	0	75	42.3	29.4	5.65	192.1
KE156	147	77			6	0	0	55	127	0	72	33.17	30.8	4.89	158.6
KE156	147	79			6	0	0	55	127	0	65.5	41.35	28.8	5.16	179.2
KE156	147	81			7	0	0	55	127	0	70.4	38.19	28.3	4.97	175.7
KE156	147	83			7	0	0	55	127	0	66.1	39.3	28.7	4.85	169
KE156	147	85			7	0	0	55	127	0	67.4	47.52	30	5.43	181.3
KE156	147	87	3.14		7	0	0	55	127	0	58.1	39.1	28.1	5.27	187.3
KE156	147	89			7	0	0	55	127	0	60.2	51.87	28.1	5.41	192.5
KE156	147	91			7	0	0	55	127	0	59.9	40.56	27.6	4.73	171.1
KE156	147	93			7	0	0	91	136	0	61.7	41.57	29.2	4.78	163.6
KE156	147	95			7	0	1	91	136	0	56	44.84	30.5	5.11	167.2
KE156	147	97			7	0	0	91	136	0	66.8	36.33	31.1	4.37	140.6
KE156	147	99	3.08		7	0	0	91	136	0	62.3	40.66	31	4.91	158.1
KE156	147	101			7	0	0	91	136	0	59.7	47.76	29.4	5.25	178.5
KE156	147	103			7	0	0	91	136	0	62.6	44.02	27.5	5.09	184.9
KE156	147	105			7	0	0	91	136	0	62.5	45.43	27.9	5.7	204.6
KE156	147	107			7	0	0	91	136	0	66.7	47.59	27.2	5.57	204.5

KE156	147	109		7	0	0	91	136	0	57.6	51.64	28.1	6.3	224.2
KE156	147	111	4.11	7	0	0	91	136	0	53.6	44.59	28.8	5.58	194
KE156	147	113		7	0	0	91	136	0	51.4	41.67	28.9	5.85	202.4
KE156	147	115		7	0	0	91	136	0	52	40.93	28.6	5.46	190.8
KE156	147	117		7	0	0	91	136	0	40.2	68.54	27.1	8.75	323.2
KE156	147	119		7	0	0	113	152	0	59.1	56.47	35.2	6.76	192.1
KE156	147	121		7	0	0	113	152	0	55.6	37.11	28.3	5.76	203.4
KE156	147	123	3.23	7	0	0	113	152	0	47.3	45.05	28.3	7.04	248.5
KE156	147	125		7	0	0	113	152	0	57.6	44.24	28.4	6.32	222.9
KE156	147	127		7	0	0	113	152	0	53.6	47.19	30.3	6.74	222.8
KE156	147	129		7	0	0	113	152	0	53.2	40.45	28.6	6.41	224.1
KE156	147	131		7	0	0	113	152	0	46.4	42.5	28.2	6.67	236.7
KE156	147	133		7	0	0	113	152	0	47.2	45.76	27.1	6.63	244.7
KE156	147	135	1.01	7	0	0	113	152	0	39.2	41.1	25.5	6.2	243.4
KE156	147	137		7	0	0	113	152	0	41	43.43	28.8	6.93	240.6
KE156	147	139		7	0	0	113	152	0	40.1	43.7	29.2	7.07	242.3
KE156	147	141		7	0	0	62	103	0	34.6	52.94	29.2	7.84	268.5
KE156	147	143		7	0	0	62	103	0	34.8	45.74	29.3	7.02	239.4
KE156	147	145		7	0	0	62	103	0	35.8	44.02	30.4	7.06	232.2
KE156	147	147	1.83	7	0	0	62	103	0	38	47.47	30	7.13	237.4
KE156	147	149		7	0	0	62	103	1	43.3	45.91	27.7	6.86	247.7
KE156	147	151		7	0	0	62	103	1	40	39.96	26.4	6.92	261.6
KE156	147	153		7	0	0	62	103	1	38.3	39.81	27.9	7.29	261.1
KE156	147	155		6	0	0	62	103	1	31.6	41.25	28	7.3	260.7
KE156	147	157		6	0	0	62	103	1	40.2	38.72	27	7.15	264.8
KE156	147	159	0.79	6	0	0	62	103	1	38.6	42.42	27.5	7.75	281.9
KE156	147	161		6	0	0	62	103	1	34.1	38.01	26.9	7.69	285.6
KE156	147	163		6	0	0	62	103	1	44.5	48.87	28	6.81	243
KE156	147	165		6	0	0	62	103	1	55.3	45.16	26	6.5	249.9
KE156	147	167		6	0	0	62	103	1	56.2	46.08	26.6	6.73	253.3
KE156	147	169		6	0	0	62	103	1	75.4	34.53	26	6.51	250
KE156	147	171	0.19	6	0	0	111	181	1	75.8	39.16	25.3	7.13	281.6
KE156	147	173		6	0	0	111	181	1	70.3	29.52	27.1	6.95	256.6
KE156	147	175		6	0	0	111	181	1	67.4	31	28	7.23	258.1
KE156	147	177		6	0	0	111	181	1	63.9	37.99	27.6	7.6	274.8
KE156	147	179		6	0	0	111	181	1	56.5	37.38	25.9	8.3	320
KE156	147	181		6	0	0	111	181	1	58.8	32.67	23.7	7.58	320.2
KE156	147	183	0	6	0	0	111	181	1	47	36.21	25.2	8.3	329.8
KE156	147	185		6	0	0	111	181	1	49.7	41.18	26.2	8.7	332.3
KE156	147	187		6	0	0	111	181	1	55.1	36.79	24.6	7.8	317.3
KE156	147	189		6	0	0	95	143	1	58.7	35.52	23.3	7.56	324.9
KE156	147	191		6	0	0	95	143	1	71.6	35.04	23.5	7.71	328.8
KE156	147	193		6	0	0	95	143	1	76.7	34.14	24.5	7.07	289.1
KE156	147	195	0	6	0	0	95	143	1	45.2	30.97	25.9	7.49	289.5
KE156	147	197		6	0	0	95	143	1	36.1	34.43	26.5	7.89	298.1
KE156	147	199		6	0	0	95	143	1	34.8	30.3	25.6	7.68	299.8
KE156	147	201		6	0	0	95	143	1	41.5	30.82	26.9	7.56	280.9
KE156	147	203		6	0	0	95	143	1	41.2	29.82	24.9	7.37	296.4
KE156	147	205		6	0	0	95	143	0	35.2	43.09	28.9	7.21	249.6
KE156	147	207	0	6	0	0	95	143	1	52.4	53.93	28.1	7.14	254
KE156	147	209		6	0	0	95	143	1	40.3	47.03	27.3	7.27	266.6
KE156	147	211		6	0	0	95	143	1	75.6	45.01	26.5	7.02	265.2
KE156	147	213		6	0	0	73	123	1	85.2	32.89	26.5	7.15	270.2
KE156	147	215		6	0	0	73	123	1	75.2	29	27.1	6.82	252
KI171	46	0		1	0	0			0					
KI171	46	2		1	0	0			0					
KI171	46	4		1	0	0			0					
KI171	46	6		1	0	0			0					
KI171	46	8		1	0	0			0					
KI171	46	10		1	0	0			0					
KI171	46	12		1	0	0			0					
KI171	46	14		1	0	0			0					
KI171	46	16		1	0	0			0					
KI171	46	18		1	0	0			0					
KI171	46	20		1	0	0			0					
KI171	46	22		1	0	0			0					
KI171	46	24		1	0	0			0					
KI171	46	26		1	0	0			0					

KI171	46	28			3	0	0			0						
KI171	46	30			3	0	0			0						
KI171	46	32			3	0	0			0						
KI171	46	34			3	0	0			0						
KI171	46	36			3	0	0			0						
KI171	46	38			3	0	0			0						
KI171	46	40			3	0	0			0						
KI171	46	42			3	0	0			0						
KI171	46	44			3	0	0			0	181.2	36.2	43.9	5.6	126.8	
KI171	46	46			4	0	0			0	359.3	13.4	38.9	7.4	188.8	
KI171	46	48	13.99	2177.58	4	0	0			0	471.5	9.4	97.4	20.4	209.4	
KI171	46	50			4	0	0			0	438.4	8.4	40.3	6.4	159	
KI171	46	52			4	0	0			0	297.5	8.6	36.7	5.4	147	
KI171	46	54			4	0	0	78	148	0	247.3	7.1	29.9	5.1	169.1	
KI171	46	56			4	0	0	78	148	0	270	6	27.8	5.8	210.6	
KI171	46	58			4	0	0	78	148	0	268.5	4.7	25.9	4.2	163.8	
KI171	46	60			4	0	0	78	148	0	242	5.2	19.5	3.5	178.8	
KI171	46	62			2	0	0	78	148	0	188.1	4	23.5	3.8	162.3	
KI171	46	64			2	0	0	78	148	0	197.3	18.2	24.6	4.2	170.9	
KI171	46	66			2	0	0	78	148	0	196.4	17.5	19.5	3.2	164.6	
KI171	46	68			2	0	0	78	148	0	161.5	14.4	19.1	3.1	165	
KI171	46	70			2	0	0	78	148	0	150.9	10.5	19.8	3.2	161	
KI171	46	72	3.38	260.16	2	0	0	78	148	0	131.6	4.7	16.6	3.1	188.7	
KI171	46	74			2	0	0	78	148	0	135.7	7.5	17.4	3.4	194.8	
KI171	46	76			2	0	0	78	148	0	117.7	4.6	17.8	3.6	204.1	
KI171	46	78			2	0	0	78	148	0	96.2	4.6	17.7	3	169.3	
KI171	46	80			3	0	0	78	148	0	102.8	6	21.1	3.6	169.1	
KI171	46	82			3	0	0	78	148	0	108.8	4.6	23.4	3.9	166.7	
KI171	46	84			3	0	0	78	148	0	100	5.7	22.3	3.7	167.7	
KI171	46	86			3	0	0	78	148	0	109.4	5.4	20.9	3.5	166.7	
KI171	46	88			3	0	0	78	148	0	125.9	6.3	23.4	4.5	193.2	
KI171	46	90			3	0	0	78	148	0						
KI171	46	92			3	0	0	78	148	0	116.2	5.1	19.9	4.4	219.6	
KI171	46	94			3	0	0	78	148	0	117.1	5.4	19.1	4.4	229.4	
KI171	46	96		146.31	2	0	0	78	148	0	109.8	5.8	19	4.6	243.4	
KI171	46	98			2	0	0	78	148	0	98	7.1	17.5	4.3	245.1	
KI171	46	100			2	0	0	78	148	0	89.7	6.4	17.8	4.4	247.3	
KI171	46	102			2	0	0	78	148	0						
KI171	46	104			2	0	0	78	148	0	129.6	6.4	21.1	8.3	393.4	
KI171	46	106			2	0	0	78	148	0	62.7	5.6	17.1	5.5	322	
KI171	46	108	3.58		2	0	0	78	148	0	59.3	5.5	17	5.3	313.9	
KI171	46	110			2	0	0	78	148	0	61.3	6.7	18.6	5.9	314.3	
KI171	46	112			2	0	1	78	148	0	66.9	6.8	19.4	6.2	320.4	
KI171	46	114			2	0	1	78	148	0	53.6	6.6	19.9	5.7	286.9	
KI171	46	116			2	0	0	78	148	0	61.3	5.7	20.4	5.6	275	
KI171	46	118			2	0	0	78	148	0	54.3	5.9	20.9	5.9	283	
KI171	46	120			2	0	0	78	148	0	64	6.4	20.5	5.7	279.7	
KI171	46	122			2	0	0	78	148	0	57.2	5.1	19.5	5.5	281.9	
KI171	46	124			2	0	0	78	148	0	62	8.2	20.7	7	340.1	
KI171	46	126			2	0	0	78	148	0	65.5	7	20.8	6.9	333.2	
KI171	46	128			2	0	0	78	148	0	55.2	5.7	23.2	6.7	288	
KI171	46	130			2	0	0	78	148	0	62.5	7	20.5	6.5	314.9	
KI171	46	132	2.94	474.32	2	0	0	78	148	0	61.1	5.1	19.9	5.8	293.8	
KI171	46	134			2	0	1	78	148	0	63.8	9.5	21	6.6	313.8	
KI171	46	136			2	0	0	78	148	0	60.5	7.5	20	5.6	280.1	
KI171	46	138			2	0	0	78	148	0	64.8	5.9	21.4	6	283.2	
KI171	46	140			2	0	0	78	148	0	53.2	5.2	22	6.2	281	
KI171	46	142			2	0	0	78	148	0	64.3	4.2	20.7	5.6	272.9	
KI171	46	144			2	0	0	78	148	0	47	8.3	22.1	5.7	258.3	
KI171	46	146			2	0	0	78	148	0	50.1	8.8	20.8	5.4	260.6	
KI171	46	148			2	0	0	78	148	0	58	3.9	20.3	5.5	270.3	
KI171	46	150			2	0	0	78	148	0	75.1	2.9	18.3	4.4	241	
KI171	46	152			2	0	0	78	148	0	57.7	3.1	20.7	6.1	292.8	
KI171	46	154			2	0	0	78	148	0	69.4	3.7	20.5	6.4	312.6	
KI171	46	156	2.45	256.37	2	0	0	78	148	0	83.5	3.5	20.9	6	284.6	
KI171	46	158			2	0	0	78	148	0	60.1	4	21.2	6.3	296.8	
KI171	46	160			2	0	0	78	148	0	73	3.7	22.2	6.9	311.9	
KI171	46	162			2	0	0	78	148	0	66.7	3.9	22.3	6.5	289.6	

KI171	46	164		2	0	0	78	148	0	68.4	3.4	20.6	6.6	317.9
KI171	46	166		2	0	0	78	148	0					
KI171	46	168		2	0	0	78	148	0					
KI171	46	170		2	0	0	78	148	0					
KI171	46	172		2	0	0	78	148	0					
KI171	46	174		2	0	0	62	128	0					
KI171	46	176		2	0	0	62	128	0					
KI171	46	178		2	0	0	62	128	0	69.9	2.3	20.6	6.9	333.6
KI171	46	180		2	0	0	62	128	0	65.9	3.4	19.5	6.4	329.3
KI171	46	182		2	0	0	62	128	0	42.9	1	19.5	6.4	329.8
KI171	46	184		2	0	0	62	128	0	33	2.3	14.5	4.8	327.4
KI171	46	186		2	0	0	62	128	0	29	4.5	19.5	6.6	339.1
KI171	47	0		1	0	0			0					
KI171	47	2		1	0	0			0					
KI171	47	4		1	0	0			0					
KI171	47	6		1	0	0			0					
KI171	47	8		1	0	0			0					
KI171	47	10		1	0	0			0					
KI171	47	12		1	0	0			0					
KI171	47	14		1	0	0			0					
KI171	47	16		1	0	0			0					
KI171	47	18		1	0	0			0					
KI171	47	20		1	0	0			0					
KI171	47	22		1	0	0			0					
KI171	47	24		1	0	0			0					
KI171	47	26		1	0	0			0					
KI171	47	28		3	0	0			0					
KI171	47	30		3	0	0			0					
KI171	47	32		3	0	0			0					
KI171	47	34		3	0	0			0					
KI171	47	36		3	0	0			0					
KI171	47	38		3	0	0			0					
KI171	47	40		3	0	0			0					
KI171	47	42		3	0	0			0					
KI171	47	44		3	0	0			0	49.8	42.4	22.6	2.5	112.7
KI171	47	46		4	0	0			0	34.4	48.7	15.7	2.4	155.6
KI171	47	48	7.28	4	0	0			0	29.8	24.9	10.9	2.3	208.3
KI171	47	50		4	0	0			0	29	19	15.8	2	123.4
KI171	47	52		4	0	0			0	30.6	14.2	18.2	2.6	145.4
KI171	47	54	5.42	4	0	0	78	148	0	30.2	12	26.2	3.3	124
KI171	47	56		4	0	0	78	148	0	28.6	12.2	14.6	1.9	130.1
KI171	47	58		4	0	0	78	148	0	25	11.6	13	1.8	138.4
KI171	47	60	5.42	4	0	0	78	148	0	22.2	12.2	14.1	1.8	125.5
KI171	47	62		2	0	0	78	148	0	34.6	11.6	15.9	2.1	129.6
KI171	47	64		2	0	0	78	148	0	27.1	13.5	12	1.8	150.5
KI171	47	66	2.37	2	0	0	78	148	0	27.7	13.3	15.1	1.8	121.2
KI171	47	68		2	0	0	78	148	0	26.1	14.4	14	1.8	128.2
KI171	47	70		2	0	0	78	148	0	27.9	10.2	13.2	1.7	129.4
KI171	47	72	3.42	2	0	0	78	148	0	17.9	12.6	12.9	1.7	133.7
KI171	47	74		2	0	0	78	148	0	18.2	9.3	11.6	1.8	150.9
KI171	47	76		2	0	0	78	148	0	19.2	38.6	13.2	1.9	140.9
KI171	47	78	1.23	2	0	0	78	148	0	26.8	8.9	13.2	1.6	119.8
KI171	47	80		3	0	0	78	148	0	39.8	8.8	12.9	1.6	123.6
KI171	47	82		3	0	0	78	148	0	36.3	8.5	14.8	1.6	109.6
KI171	47	84		3	0	0	78	148	0	32	10.4	14.5	1.6	109.4
KI171	47	86		3	0	0	78	148	0	42	8	14	1.8	127.8
KI171	47	88		3	0	0	78	148	0	45	7.7	14.8	1.9	129.4
KI171	47	90		3	0	0	78	148	0	34	8.5	14.7	1.8	125.5
KI171	47	92		3	0	0	78	148	0	37.3	9.3	14.2	2.2	153.9
KI171	47	94		3	0	0	78	148	0	49.7	8.3	15.1	2.2	145.1
KI171	47	96		2	0	0	78	148	0	41.6	8	14	2.3	165.1
KI171	47	98		2	0	0	78	148	0	46.1	8.2	14.3	2.6	181.4
KI171	47	100		2	0	0	78	148	0	39.4	6.1	14	2.9	203.3
KI171	47	102		2	0	0	78	148	0	29	4.6	13.8	3.4	243.6
KI171	47	104		2	0	0	78	148	0	39	6.3	13.7	3.7	269.7
KI171	47	106		2	0	0	78	148	0	26.3	6.4	13.2	3.8	288.7
KI171	47	108		2	0	0	78	148	0	27.7	6.6	13.5	3.6	268.8
KI171	47	110		2	0	0	78	148	0	31.5	5.6	13	4	311

KI171	47	112	2	0	1	78	148	0	40.6	5.3	14	4.1	289.9
KI171	47	114	2	0	1	78	148	0	39.1	5.8	14.6	3.8	262.9
KI171	47	116	2	0	0	78	148	0	37.7	4.8	14.7	4	274
KI171	47	118	2	0	0	78	148	0	42.3	4.9	15.1	4.4	290.5
KI171	47	120	2	0	0	78	148	0	54.2	4.7	14.9	4.5	301.1
KI171	47	122	2	0	0	78	148	0	44.3	4.2	14.4	4.8	329.5
KI171	47	124	2	0	0	78	148	0	44.5	4.3	14.1	4.3	308.7
KI171	47	126	2	0	0	78	148	0	44	4.7	14.3	4	279.8
KI171	47	128	2	0	0	78	148	0	48	4.5	14.4	3.5	244.5
KI171	47	130	2	0	0	78	148	0	47.3	4.5	14.3	3.9	270.7
KI171	47	132	2	0	0	78	148	0	33.2	3.9	13.3	3.4	252.5
KI171	47	134	2	0	1	78	148	0	48.7	4	14.5	3.9	265.7
KI171	47	136	2	0	0	78	148	0	44.7	3.8	14	3.6	258.5
KI171	47	138	2	0	0	78	148	0	52	4.2	13.7	3.5	252
KI171	47	140	2	0	0	78	148	0	57.6	4.8	13.7	3.2	234
KI171	47	142	2	0	0	78	148	0	63.3	3.9	13.2	3.3	248.8
KI171	47	144	2	0	0	78	148	0	57.4	6.7	14	3.3	236.2
KI171	47	146	2	0	0	78	148	0	43.2	6.9	13.3	3.2	239.9
KI171	47	148	2	0	0	78	148	0	43.2	2.6	13.1	3.3	249.6
KI171	47	150	2	0	0	78	148	0	41.5	2.2	13	3.1	235.6
KI171	47	152	2	0	0	78	148	0	51	3.3	13.4	3.2	236.4
KI171	47	154	2	0	0	78	148	0	51	2.5	12.7	3.2	254.9
KI171	47	156	2	0	0	78	148	0	77.1	3	13.4	3.2	239
KI171	47	158	2	0	0	78	148	0	71	2.9	12.2	3	247.8
KI171	47	160	2	0	0	78	148	0	64.7	3.3	13.4	3.1	232.2
KI171	47	162	2	0	0	78	148	0	103.7	2.1	13.7	3.1	226.6
KI171	47	164	2	0	0	78	148	0	90.2	1.8	13.6	3.2	235.7
KI171	47	166	2	0	0	78	148	0	82.9	2	13.3	2.9	220.1
KI171	47	168	2	0	0	78	148	0	262.6	2.1	15.1	3.5	229.7
KI171	47	170	2	0	0	78	148	0	153.2	2.8	39.3	4.1	104.2
LB165	48	0	2					0					
LB165	48	1	2					0					
LB165	48	3	4					0					
LB165	48	5	4					0					
LB165	48	7	6					0	44.8	5.4	19.6	4.6	235
LB165	48	9	6					0	34.9	2.2	33.4	1.3	38.6
LB165	48	11	6					0	52	6.1	21.7	4.8	221.1
LB165	48	13	6	0	1			0	75.9	4.7	20.6	4.9	239.6
LB165	48	15	6	0	1			0	67.5	6.8	19.7	4.6	235.1
LB165	48	17	3	0	0			0	89	8.3	18.9	4.7	247.4
LB165	48	19	3	0	0			0	159.9	5.7	18.1	4.1	229.2
LB165	48	21	2	0	0			0	146.5	12.1	20.6	5	242.2
LB165	48	23	2	0	0			0	83.9	9	29	5.9	202.2
LB165	48	25	2	0	0			0	73	18.6	23.4	7.1	304.9
LB165	48	27	2	0	1			0	67.6	16.6	27.4	6	217.6
LB165	48	29	2	0	0			0	61.2	14.5	28.5	6	210.9
LB165	48	31	2	0	0			0	39.3	11.5	26	5.7	219.5
LB165	48	33	2	0	0			0	29.6	35.6	34.1	7.1	208.6
LB165	48	35	2	0	0			0	25.8	41.9	37.2	7.3	196.8
LB165	48	37	3	0	0			0	21.9	31.6	28.3	7.6	267.8
LB165	48	39	3	0	0			0	33.6	27.6	26.2	7.5	287.2
LB165	48	41	3	0	0			0					
LB165	48	43	2	0	0			0					
LB165	48	45	2	0	0			0					
LB165	48	47	2	0	0			0					
LB165	48	49	2	0	0			0					
LB165	48	51	2	0	0			0					
LB165	48	53	2	0	0			0					
LB165	48	55	2	0	0			0					
LB165	48	57	2	0	0			0					
LB165	48	59	2	0	0			0					
LB165	48	61	2	0	0			0					
LB165	48	63	2	0	0			0	39.7	79.5	27.2	2.9	107.2
LB165	48	65	2	0	0			0	35.5	56.3	24.3	2.8	115.4
LB165	48	67	2	0	0			0	42.8	57	23.9	3.4	143.8
LB165	48	69	2	0	0			0	45.8	38.6	23.9	3.5	146.2
LB165	48	71	2	0	0			0	58.7	29.8	25	3.3	132.2
LB165	48	73	2	0	0			0					

LB165	48	75		2	0	0			0	103.2	33.4	23.5	4.5	192.6
LB165	48	77		2	0	1			0					
LB165	48	79		2	0	0			0					
LB165	48	81		2	0	0			0	108	5.2	24.4	6.2	253.1
LB165	48	83		2	0	0			0	114.2	9.6	20.3	5.8	285.7
LB165	48	85		2	0	0			0	109.4	12	18.5	5.1	277.7
LB165	48	87		2	0	0			0	93.7	12.5	19.8	4.8	240.1
LB165	48	89		2	0	0			0	91.7	13.1	20.5	4.7	228.7
LB165	48	91		2	0	0			0	81.3	11.4	19.5	4.6	236.1
LB165	48	93		2	0	0			0	78.4	10.6	21	4.6	219.6
LB165	48	95		2	0	0	32	100	0	76.1	9.7	20.2	4.6	226.6
LB165	48	97		2	0	0	32	100	0	65.5	9.3	19.2	4.2	217.7
LB165	48	99		2	0	0	32	100	0	71.7	8.8	21.1	4.4	208.8
LB165	48	101		2	0	0	32	100	0	65.7	10	19.9	4.1	204.4
LB165	48	103	3.53	2	0	0	32	100	0	85	9.7	19.6	4.4	225.8
LB165	48	105		2	0	1	32	100	0	112.9	8.5	19.3	4.9	251.9
LB165	48	107		2	0	0	32	100	0	125.8	8.5	23	4.2	182.5
LB165	48	109		2	0	0	32	100	0	95.3	9.5	20.5	4.6	225.3
LB165	48	111		2	0	0	32	100	0	97	8.1	20.7	4.2	202.1
LB165	48	113		2	0	0	32	100	0	117.7	7.8	21.1	3.6	171.9
LB165	48	115	1.25	2			32	100	0	94.6	9.9	21.1	4.2	197
LB165	48	117		2			32	100	0	104.3	7.9	21.4	4.4	204.2
LB165	48	119		2			118	166	0	112.6	8	20.5	4.7	227
LB165	48	121	1.13	2			118	166	0	137.3	7.1	25.6	5	194.6
LB165	48	123		2			118	166	0	120.9	6.9	20.6	4.3	207.8
LB165	48	125	0.83	2			118	166	0	78.4	4.6	25.2	6.6	262.5
LB165	48	127		2			118	166	0	70.5	6	18.6	5.9	318.2
LB165	48	129		2			118	166	0	86.8	7.4	21.1	5.3	252.2
LB165	48	131		2			118	166	0	50.7	5.3	20.6	6.2	301.2
LB165	48	133		2			118	166	0	36.5	4.6	20.2	6.5	322.9
LB165	48	135	0.96	2			118	166	0	43.1	5	19.1	5.4	284
LB165	48	137		2			118	166	0	44.4	5.3	15.7	4.6	292.3
LB165	48	139		2			118	166	0					
LB165	48	141		2			118	166	0					
LB165	48	143	0.2	2			46	100	0					
LB165	48	145		2			46	100	0					
LB165	48	147		2			46	100	0					
LM142	128	0		7	0	0			0					
LM142	128	1		7	0	0			0					
LM142	128	3		7	0	0			0					
LM142	128	5		7	0	0			0					
LM142	128	7		7	0	0			0					
LM142	128	9		7	0	0			0					
LM142	128	11		7	0	0			0					
LM142	128	13		7	0	0			0	193.3	95.2	36	8.6	239.7
LM142	128	15		7	0	0			0	127.2	95.1	36.6	8	218.5
LM142	128	17	2.66	7	0	0			0	91.1	84.8	35	7.5	212.8
LM142	128	19		7	0	0			0	88.2	67.5	37	7.4	200.5
LM142	128	21		7	0	0			0	86.5	60.1	37.1	7.2	192.9
LM142	128	23		7	0	0			0	68.9	44.9	38.2	8.4	219.7
LM142	128	25		7	0	0			0	62.1	41.7	37	7.5	202.3
LM142	128	27		7	0	0			0	56.7	37.6	37	7.1	192.1
LM142	128	29	1.85	7	0	0			0	62.5	35	38	7.8	205.3
LM142	128	31		7	0	0			0	61.1	33.6	40.8	7.8	190.3
LM142	128	33		7	0	0			0	54.8	31.5	37.1	7.2	193.8
LM142	128	35		7	0	0			0	47.2	33.3	37.2	7.1	192.1
LM142	128	37		7	0	0			0	40.8	29.2	34.7	7.1	205.2
LM142	128	39		6	0	0			0	35.7	27.2	34.4	7.1	205.2
LM142	128	41	1.58	6	0	0			0	40.6	25.7	34.8	7.3	208.7
LM142	128	43		6	0	0			0	36.4	27	36.1	7.9	218.6
LM142	128	45		6	0	0			0	30	26.5	35.9	7.5	208
LM142	128	47		6	0	0			0	25	25	36.2	7.4	205.5
LM142	128	49		6	0	0			0	21.1	25.9	35.7	7.4	207.8
LM142	128	51		6	0	0			0	24	23.8	34.9	7.4	212.7
LM142	128	53	0.81	6	0	0			0	18.4	20.4	33.2	7.1	214.8
LM142	128	55		6	0	0			0	16	19.4	30.4	7.1	235.3
LM142	128	57		6	0	0			0	17.2	21.1	30.2	6.8	223.7
LM142	128	59		6	0	0	89	176	0	15.6	19	30.7	6.7	218.8

LM142	128	61		6	0	0	89	176	0	11.5	18.6	30.5	7	230.8
LM142	128	63		7	0	0	89	176	0	12.9	18.3	29.1	6.7	228.7
LM142	128	65	0.9	7	0	0	89	176	0	17.7	18.7	29.5	6.9	234.3
LM142	128	67		7	0	0	89	176	0	16.1	16.8	26.4	6.5	247.4
LM142	128	69		7	0	0	89	176	0	16.5	19.4	28.1	6.2	221.3
LM142	128	71		7	0	0	89	176	0	20.2	18.9	28.3	6.3	223.4
LM142	128	73		7	0	0	89	176	0	22.7	19	27.2	6.4	236.4
LM142	128	75		7	0	0	89	176	0	33.6	19.7	27.1	6.2	230.6
LM142	128	77	1.17	7	0	0	89	176	0	31.8	17.2	27.3	6.4	232.5
LM142	128	79		7	0	0	89	176	0	34.3	18.8	28.8	6.9	238.7
LM142	128	81		7	0	0	89	176	0	38	18.7	28.5	6.6	233.1
LM142	128	83		7	0	0	67	100	0	37.1	15.5	28	6.6	235.4
LM142	128	85		7	0	0	67	100	0	26.5	13.2	25.5	6.1	238.4
LM142	128	87		7	0	0	67	100	0	33.6	14	26.5	6.2	232.7
LM142	128	89	0.68	7	0	0	67	100	0	37.6	11.5	26.6	6.4	241
LM142	128	91		7	0	0	67	100	0	30.7	11.8	25.4	6.2	242.7
LM142	128	93		7	0	0	67	100	0	39.6	12.2	25.4	6.2	242.5
LM142	128	95		7	0	0	67	100	0	72.7	12.9	25.2	6.3	249.9
LM142	128	97		7	0	0	67	100	0	75.4	13.4	25.8	6.1	237.1
LM142	128	99		7	0	0	67	100	0	81.3	13.1	27.4	6	219.9
LM142	128	101	0	7	0	0	67	100	0	82.8	12.6	26.1	5.9	227.1
LM142	128	103		7	0	0	67	100	0	75.7	12.1	26.8	6	224.1
LM142	128	105		7	0	0	67	100	0	46.7	16.8	25.5	5.6	217.6
LM142	128	107		7	0	0	55	83	0	36.5	16.2	27.2	6.3	229.8
LM142	128	109		7	0	0	55	83	0	43.6	16	26	6.3	241.7
LM142	128	111		7	0	0	55	83	0	55	14.2	28.6	6.5	227.7
LM142	128	113	0	7	0	0	55	83	0	121.9	14.9	25.2	5.6	223.7
LM142	128	115		7	0	0	55	83	0	181.6	14.8	27.4	6.1	221.9
LM142	128	117		7	0	0	55	83	0	114.8	15.7	28.3	6.2	218.1
LM142	128	119		7	0	0	55	83	0	113.8	14.7	28.9	6.2	212.6
LM142	128	121		7	0	0	55	83	0	128.1	16.4	26.9	6.1	227.1
LM142	128	123		7	0	0	55	83	0	111.5	17.4	26.2	6.5	246.4
LM142	128	125	0.78	7	0	0	55	83	0	97.7	14.5	26.2	6.8	261.1
LM142	128	127		7	0	0	55	83	0	91.5	16.7	27.2	6.7	245.4
LM142	128	129		7	0	0	55	83	0	97.9	17.2	29.2	6.1	210.1
LM142	128	131		7	0	0	75	111	0	79.9	14.6	29.6	6.7	224.8
LM142	128	133		7	0	0	75	111	0	65.6	13.5	28.1	6.3	225.1
LM142	128	135		7	0	0	75	111	0	58.4	14.3	28.4	6.3	222.6
LM142	128	137	0.71	7	0	0	75	111	0	54.9	12.7	26.1	6	230.1
LM142	128	139		7	0	0	75	111	0	320.1	11	24.5	5.4	218.6
LM142	128	141		7	0	0	75	111	0	10	4.2	193.4	6.1	31.7
LM142	128	143		7	0	0	75	111	0	80.6	11.1	25.1	6	239.1
LM142	128	145		7	0	0	75	111	0	68.3	13.4	26.9	6.6	245
LM142	128	147		7	0	0	75	111	0	62.1	14.2	25	6.9	277.7
LM142	128	149	0.69	7	0	0	75	111	0	54.4	12.4	25.3	6.8	269.5
LM142	128	151		7	0	0	75	111	0	47.1	13.1	21.6	5.8	266.6
LM142	128	153		7	0	0	75	111	0	38.3	15.9	24.5	6.3	256.2
LM142	128	155		7	0	0	75	104	0	23.3	13.2	25.9	7.2	277.4
LM142	128	157		5	0	0	75	104	0	23.5	17.9	29.4	7.3	247.7
LM142	129	0		7	0	0			0					
LM142	129	1		7	0	0			0					
LM142	129	3		7	0	0			0					
LM142	129	5		7	0	0			0					
LM142	129	7		7	0	0			0					
LM142	129	9		7	0	0			0					
LM142	129	11		7	0	0			0					
LM142	129	13		7	0	0			0	926.6	29.9	22.6	8.7	386.8
LM142	129	15		7	0	0			0	674.5	36.4	23.6	8.7	369
LM142	129	17	10.74	7	0	0			0	565.1	45.4	25.2	10	398.1
LM142	129	19		7	0	0			0	383.8	47.8	24.3	9.3	383.2
LM142	129	21		7	0	0			0	296.4	40.3	23.7	8.9	374.6
LM142	129	23		7	0	0			0	253.3	33.1	24.3	8.7	359.1
LM142	129	25		7	0	0			0	243.4	29.9	23.2	8.3	358.7
LM142	129	27		7	0	0			0	244.9	26.2	22.7	8.3	366
LM142	129	29	5.12	7	0	0			0	228.4	23.9	22.3	8.3	371.5
LM142	129	31		7	0	0			0	209.4	23.9	23.1	8.4	364.4
LM142	129	33		7	0	0			0	216.9	21	21.1	8.3	394.9
LM142	129	35		7	0	0			0	210.2	20	22.5	8.5	375.9

LM142	129	37			7	0	0			0	58.1	23.2	21.9	8.1	369.3
LM142	129	39			6	0	0			0	204.7	19.2	22.6	8.4	373.1
LM142	129	41	2.1		6	0	0			0	189.1	16.8	20.6	8.5	411.9
LM142	129	43			6	0	0			0	173	16.5	22.8	9	393.9
LM142	129	45			6	0	0			0	210.3	16.9	22.3	8.9	399.8
LM142	129	47			6	0	0			0	204.1	18.7	23.4	8.6	366.8
LM142	129	49			6	0	0			0	156.6	15.1	23.1	8.4	362.5
LM142	129	51			6	0	0			0	158.5	15.2	23.5	8.1	344.1
LM142	129	53	2.14		6	0	0			0	146.1	15.1	22.4	8.2	367.3
LM142	129	55			6	0	0			0	131.2	15.1	22.2	8.8	397.2
LM142	129	57			6	0	0			0	100.5	14.9	22.5	8.5	378.8
LM142	129	59			6	0	0	89	176	0	92.7	14.4	22.3	8.5	378.3
LM142	129	61			6	0	0	89	176	0	76.4	15.4	23.3	8.9	382.9
LM142	129	63			7	0	0	89	176	0	73.7	14.6	23	8.9	385.7
LM142	129	65	2.08		7	0	0	89	176	0	83.1	17.4	22.5	8.8	389.7
LM142	129	67			7	0	0	89	176	0	58.1	33.9	60.9	8.4	138.4
LM142	129	69			7	0	0	89	176	0	118.3	61.6	45	6.1	136.1
LM142	129	71			7	0	0	89	176	0	817.2	121.8	82.9	4.2	51.1
MNB153	192	0			6					0					
MNB153	192	2			3					0					
MNB153	192	4			3					0					
MNB153	192	6			3					0					
MNB153	192	8			3					0					
MNB153	192	10			3					0					
MNB153	192	12			3					0					
MNB153	192	14			3					0					
MNB153	192	16			4	0	0			0					
MNB153	192	18			4	0	0			0	150.6	39.1	27.9	7.6	273.6
MNB153	192	20			4	0	0			0	160.4	40.4	30.1	7.8	259.2
MNB153	192	22			4	0	0			0	173.7	29.9	27.8	6.6	237.1
MNB153	192	24			4	0	0			0	176.4	31.1	28.2	6.3	223.2
MNB153	192	26			4	0	0			0	167.3	32	27.7	6.1	221.3
MNB153	192	28			4	0	0			0	164.2	36.4	25.5	5.6	218.5
MNB153	192	30			4	0	0			0	153.1	31.9	25.8	5.6	216.1
MNB153	192	32			4	0	0			0	142	29.9	25.8	5.2	202.6
MNB153	192	34			4	0	0			0	128.9	28.2	26	4.8	184.9
MNB153	192	36			4	0	0			0	130.2	22.5	26.5	4.1	152.6
MNB153	192	38			4	0	0			0	116.7	22.5	27.4	4.2	153.5
MNB153	192	40			4	0	0			0	113.2	19.9	29.8	4.3	143.5
MNB153	192	42			4	0	0			0	105.3	19.7	30.9	4.1	133.2
MNB153	192	44			4	0	0			0	103.4	20.3	32	4.3	134
MNB153	192	46	3.35	246.84	4	0	0			0	100.9	20.4	30.9	4.1	132.8
MNB153	192	48			4	0	0			0	96.2	24.1	30.4	4.3	140.8
MNB153	192	50			4	0	0	63	109	0	96.8	19.2	29.6	4.4	148.2
MNB153	192	52			4	0	0	63	109	0	114.3	18	28.8	4.4	151.4
MNB153	192	54			7	1	0	63	109	0					
MNB153	192	56			7	1	0	63	109	0					
MNB153	192	58			7	0	0	63	109	0					
MNB153	192	60			7	0	0	63	109	0					
MNB153	192	62			7	0	0	63	109	0		5.1	168.1	6.1	36.1
MNB153	192	64			7	0	0	63	109	0	126.7	25.4	27.1	3.8	141
MNB153	192	66			7	0	0	63	109	0	94.7	26.9	28	4.3	155.3
MNB153	192	68			7	0	0	63	109	0	104.8	28.6		4.1	
MNB153	192	70			7	0	0	63	109	0	131.1	27.8	30	4.2	139.6
MNB153	192	72			7	0	0	34	53	0	97	27	30.5	4.1	135.5
MNB153	192	74			7	0	0	34	53	0	192.6	30.3	31.7	4.2	132.9
MNB153	192	76			7	0	0	34	53	0	146.2	30.4	28.6	4.2	148.5
MNB153	192	78			7	0	0	34	53	0	222.9	26.8	30	4.2	138.9
MNB153	192	80			7	0	0	34	53	0	268.7	27.7	26.6	3.7	140.4
MNB153	192	82			7	0	1	34	53	0	344.2	30.1	30.6	4	129.9
MNB153	192	84			7	0	0	34	53	0	405.4	31.7	24.3	3.8	157.5
MNB153	192	86			7	0	0	34	53	0	404.1	31.4	23.4	3.7	156.9
MNB153	192	88			7	0	0	34	53	0	388.4	30.9	23.6	3.8	160.3
MNB153	192	90			7	0	0	34	53	0	327.1	30.1	25.4	3.8	149.3
MNB153	192	92			7	0	0	34	53	0	283.8	33.1	24.5	3.7	150.9
MNB153	192	94			7	0	0	34	53	0	284.2	31.1	26.5	4	151.5
MNB153	192	96			7	0	0	34	53	0	424.8	28.5	25.1	3.5	138.1
MNB153	192	98			7	0	0	34	53	0	374.6	32.2	25.5	3.5	136.5

MNB153	192	100			7	0	0	34	53	0	356.4	37.3	26.8	3.8	143.6
MNB153	192	102			7	0	0	66	91	0	721.3	30	29.4	4.3	147.8
MNB153	192	104			7	0	0	66	91	0					
MNB153	192	106	2.11	327.12	7	0	0	66	91	0	1090.1	32	24.5	4.1	166
MNB153	192	108			7	0	0	66	91	0	725.9	30.7	26.8	4.5	167.3
MNB153	192	110			7	0	0	66	91	0	1194.6	37.9	27.7	4.9	175.7
MNB153	192	112			7	0	0	66	91	0	1166.9	41.7	28.1	4.9	175.7
MNB153	192	114			7	0	1	66	91	0	1070.7	41.4	31.1	5.1	163.6
MNB153	192	116			7	0	0	66	91	0	1219.5	36.9	29.4	4.9	166.1
MNB153	192	118			7	0	0	66	91	0	897	36.1	26.6	4.3	161.6
MNB153	192	120	1.16	129.65	6	0	0	66	91	0	772.5	34.7	29.1	4.8	164.2
MNB153	192	122			6	0	0	66	91	0	731.6	33	28.5	4.5	157.3
MNB153	192	124			6	0	0	66	91	0	709.8	34.2	26.3	4.4	166.9
MNB153	192	126			6	0	0	85	128	0	731.2	34	29.6	4.8	163.7
MNB153	192	128			6	0	0	85	128	0					
MNB153	192	130			6	0	0	85	128	0					
MNB153	192	132			6	0	0	85	128	0	639	36	28.9	5.7	198.4
MNB153	192	134			6	0	0	85	128	0	710.5	47	29.4	6.2	211.6
MNB153	192	136			6	0	0	85	128	0	593	43.2	31	5.7	184.9
MNB153	192	138			6	0	0	85	128	0	464.3	42.2	32.8	5.8	176.9
MNB153	192	140			6	0	0	85	128	0	350.7	52	60	7.7	127.5
MNB153	192	142			6	0	0	85	128	0					
MNB153	192	144			6	0	1	85	128	0					
MNB153	192	146	1.17	72.78	6	1	0	85	128	0	856.7	54.2	42	7.1	168.1
MNB153	192	148			6	1	0	91	140	0	406.3	45.9	41	6.3	153.8
MNB153	192	150			6	1	0	91	140	0	320.1	46.9	39.2	6.4	162.5
MNB153	192	152			6	1	0	91	140	0	238.2	47.1	36.8	5.9	159.8
MNB153	192	154			6	0	0	91	140	0	212	50.2	35.2	5.9	168.2
MNB153	192	156			6	0	0	91	140	0	181.5	43.3	34	5.9	175
MNB153	192	158			6	0	0	91	140	0	177.7	44.2	33.5	5.8	173.4
MNB153	192	160			6	0	0	91	140	0	171.2	48	32.3	5.7	175.9
MNB153	192	162			6	0	0	91	140	0	175.3	47.9	37.4	6.3	167.8
MNB153	192	164			6	0	0	91	140	0	173.2	46.4	39	7	178.7
MNB153	192	166			6	0	0	91	140	0	203.4	51.9	38.1	6.9	181
MNB153	192	168			6	0	0	91	140	0	1258.2	562	430.4	9.6	22.3
MNB153	192	170			6	0	0	91	140	0	1394.5	605.9	538.6	9.2	17
MNB153	192	172			6	0	0	91	140	0					
MNB153	192	174			6	0	0	68	110	0	1387	625.9	707.8	8.1	11.5
MNB153	192	176			6	0	0	68	110	0	1573.5	679.2	772.5	8.8	11.4
MNB153	192	178			6	0	0	68	110	0	91.5	18.3	28.9	4.1	140.7
MNB153	192	180			6	0	0	68	110	0	85	17.9	28.1	3.8	136.7
MNB153	192	182			6	1	0	68	110	0	462.5	38.5	35	5.9	167.7
MNB153	192	184			6	1	0	68	110	0	413.3	41.5	35.3	5.8	164.3
MNB153	192	186			6	1	0	68	110	0	315.8	46.7	36.1	6	166.9
MNB153	192	188			6	1	0	68	110	0	284.4	48.7	49.8	7.1	141.7
MNB153	192	190			6	1	0	68	110	0		52	0		181.9
MNB153	192	192	2.37	108.47	6	1	0	68	110	0	268.1	51.6	43.2	7.1	163.7
MNB153	192	194			6	1	1	68	110	0	279.5	53.6	47.5	7.1	149.9
MNB153	192	196			6	1	1	68	110	0	308.1	54.5	46.2	7.4	160.1
MNB153	192	198			6	1	1	68	110	0	300.2	55.4	42.4	7.5	177.6
MNB153	192	200			8	1	1	68	110	0	819.9	238.4	211.2	9.9	47.1
MNB153	192	202			8	1	1	27	94	0	1168.3	407.6	328	9.6	29.3
MNB153	192	204			8	1	1	27	94	0	1325	525		10.3	
MNB153	192	206			8	0	0	27	94	0	973	33.5	26.9	4.7	176.1
MNB153	192	208			8	0	0	27	94	0	311.9	54.7	46.5	7.8	167
MNB153	192	210			8	0	0	27	94	0	326.6	57	59.3	8.3	140.1
MNB153	192	212			8	0	0	27	94	0	428	76.1	82.5	10	120.8
MNB153	192	214			8	0	0	27	94	0	624.2	114.5	141.9	10	70.5
MUB163	160	0			3					0					
MUB163	160	2			3					0					
MUB163	160	4			3					0					
MUB163	160	6			3					0					
MUB163	160	8			3					0					
MUB163	160	10			3					0					
MUB163	160	12			3					0					
MUB163	160	14			3					0					
MUB163	160	16			3					0					
MUB163	160	18			3					0					

MUB163	160	20		3						0						
MUB163	160	22		3						0						
MUB163	160	24		3						0						
MUB163	160	26		3						0						
MUB163	160	28		3	0	0				0						
MUB163	160	30		3	0	0				0						
MUB163	160	32		3	0	0				0	54.3	75	23.9	1.9	79.5	
MUB163	160	34		3	0	0				0	63.9	70.7	24.2	3.1	126.5	
MUB163	160	36		3	0	0				0	71	54.3	30.7	4.8	157.8	
MUB163	160	38		3	0	0				0						
MUB163	160	40		3	0	0				0	75.4	46.1	27	4.9	181.6	
MUB163	160	42		3	0	0				0	82.3	42.1	25.4	4.3	170	
MUB163	160	44		3	0	0	17	82	0	0	88.8	35.1	29.1	4.4	150.3	
MUB163	160	46		3	0	0	17	82	0	0	102.2	35.7	26.2	4	152.4	
MUB163	160	48	0.94	2	0	0	17	82	0	0	107.6	32.8	27.1	4.4	162.4	
MUB163	160	50		2	0	0	17	82	0	0	98.6	28.5	28.4	4	142.4	
MUB163	160	52		2	0	0	17	82	0	0	103.8	28.2	24.3	3.7	150.1	
MUB163	160	54	5	2	0	0	17	82	0	0	89.3	28.8	30.8	3.6	115.6	
MUB163	160	56		2	0	0	17	82	0	0	83.9	24.5	29.5	4.1	140.3	
MUB163	160	58		2	0	0	70	124	0	0	79.4	24.8	28.5	3.1	108.9	
MUB163	160	60	2.83	2	0	0	70	124	0	0	86.3	21.8	30.6	3.7	122	
MUB163	160	62		2	0	0	70	124	0	0	76.1	27	33.8	3.9	114	
MUB163	160	64		2	0	0	70	124	0	0	79.5	33	35	4.5	127.6	
MUB163	160	66		2	0	0	70	124	0	0						
MUB163	160	68		2	0	0	70	124	0	0	83.1	30.9	26.6	4.8	178.9	
MUB163	160	70		2	0	0	70	124	0	0	101.7	23.8	29.8	3.5	117.5	
MUB163	160	72		2	0	0	70	124	0	0	82.1	32.7	29.2	4	137	
MUB163	160	74		2	0	0	70	124	0	0	64.3	38.2	29.9	5	167.3	
MUB163	160	76		2	0	0	70	124	0	0	114.1	26.1	29.7	4.1	136.3	
MUB163	160	78		2	0	0	70	124	0	0	95.7	26.6	23.8	3.9	162.7	
MUB163	160	80		2	0	0	70	124	0	0	103.8	30		4.3		
MUB163	160	82		2	0	0	32	59	0	0	100	38.8	30.3	4.8	158.6	
MUB163	160	84		2	0	0	32	59	0	0	88.9	36.5		5.3		
MUB163	160	86		2	0	0	32	59	0	0	108.6	29.9	33.6	5.6	167.8	
MUB163	160	88		2	0	0	32	59	0	0	155	38.2	34.1	5.8	169.7	
MUB163	160	90		2	0	0	32	59	0	0	81.5	29.5	27.9	4.4	156.9	
MUB163	160	92		2	0	0	32	59	0	0	67.8	33.5	24.9	4.6	183	
MUB163	160	94		2	0	0	32	59	0	0	82.1	25.4	24.6	3.7	150.6	
MUB163	160	96		2	0	0	32	59	0	0	56.2	38.3	25.4	5.2	203.1	
MUB163	160	98		2	0	0	32	59	0	0	60.4	31.1	23.5	4.1	173.9	
MUB163	160	100		2	0	0	32	59	0	0	54.1	30.6		4.3		
MUB163	160	102		2	0	0	32	59	0	0	66.6	29	23.8	4.5	188.5	
MUB163	160	104		2	0	0	32	59	0	0	88.6	19.8		3.3		
MUB163	160	106		2	0	0	32	59	0	0	46.5	31.9	25.3	4.9	193.4	
MUB163	160	108		3	0	0	32	59	0	0	34.1	29.6	25.6	5.5	213.5	
MUB163	160	110		3	0	0	32	59	0	0	49.1	24.7	25.2	5.1	203.9	
MUB163	160	112		3	0	0	32	59	0	0	73.7	23.8		4.8		
MUB163	160	114		3	0	0	32	59	0	0	73.5	24.6		4.6		
MUB163	160	116		3	0	0	32	59	0	0	71.4	23.9		4.3		
MUB163	160	118		3	0	0	32	59	0	0	66.1	26.6	25.3	4.4	173.7	
MUB163	160	120		3	0	0	32	59	0	0	72	25.7	24.9	4.3	173.7	
MUB163	160	122		3	0	0	32	59	0	0	77.5	27	23.4	4.3	181.5	
MUB163	160	124		3	0	0	32	59	0	0	78.8	26.8	26	4.8	183.8	
MUB163	160	126		3	0	0	32	59	0	0	78.3	27	24.2	4.4	181.9	
MUB163	160	128		3	0	0	32	59	0	0	111	35.1	23.7	4.4	188	
MUB163	160	130		2	0	0	32	59	0	0	190.8	30.9	26.9	6.5	241	
MUB163	160	132		2	0	0	32	59	0	0	167.2	26.6	25.2	4.6	180.8	
MUB163	160	134		2	0	0	32	59	0	0	98.5	26.9	24.9	4.6	186.5	
MUB163	160	136		2	0	0	32	59	0	0	113.1	24.9	25.6	5	196.1	
MUB163	160	138		2	0	0	32	59	0	0	97.1	24.5	24.6	4.4	180.1	
MUB163	160	140		2	0	0	32	59	0	0	80	23.3	22	4.3	194.2	
MUB163	160	142		2	0	0	32	59	0	0	78.6	29.3	25.1	4.8	190.3	
MUB163	160	144		2	0	0	32	59	0	0	55.8	24	24	5	208.6	
MUB163	160	146		2	0	0	32	59	0	0	59.2	20.7	24.2	5.1	212.6	
MUB163	160	148		2	0	0	32	59	0	0	62	22.8	26	5.7	217.4	
MUB163	160	150		2	0	0	32	59	0	0	68.4	16.6	24.6	5.4	220.8	
MUB163	160	152		2	0	0	32	59	0	0	65.2	20.1	24.9	5.9	235.9	
MUB163	160	154		2	0	0	32	59	0	0	82.4	20.1	26.6	6	223.9	

MUB163	160	156		2	0	0	32	59	0	123.6	19.7	25.7	5.2	201.6
MUB163	160	158		2	0	0	32	59	0	125.6	20.1	26.8	6.7	251.3
MUB163	160	160		2	0	0	32	59	0	136.9	26.3	26.5	6.1	231.3
MUB163	160	162		2	0	0	32	59	0	139.5	27	25.5	5.7	222.5
MUB163	160	164		2	0	0	32	59	0	122.2	18	28.3	6.5	229.7
MUB163	160	166		2	0	0	32	59	0	154.3	22.5	29.5	6.4	217.4
MUB163	160	168		2	0	0	32	59	0	90.9	13	28.2	5.7	201.4
MUB163	160	170		2	0	0	32	59	0	93.2	7.6	26.5	5.7	214.3
MUB163	160	172		2	0	0	32	59	0	71.2	24.6	23.2	4.1	176.3
MUB163	161	0		3					0					
MUB163	161	2		3					0					
MUB163	161	4		3					0					
MUB163	161	6		3					0					
MUB163	161	8		3					0					
MUB163	161	10		3					0					
MUB163	161	12		3					0					
MUB163	161	14		3					0					
MUB163	161	16		3					0					
MUB163	161	18		3					0					
MUB163	161	20		3					0					
MUB163	161	22		3					0					
MUB163	161	24		3					0					
MUB163	161	26		3					0					
MUB163	161	28		3	0	0			0					
MUB163	161	30		3	0	0			0					
MUB163	161	32		3	0	0			0	59.7	103.8	26.4	2.8	107.1
MUB163	161	34		3	0	0			0	62.1	73.7	26.5	4.8	183
MUB163	161	36	5	3	0	0			0	61.5	50.9	28.8	5.8	200.4
MUB163	161	38		3	0	0			0					
MUB163	161	40		3	0	0			0	56.5	40.9	22	4.5	206.7
MUB163	161	42		3	0	0			0	47.3	38.2	23.2	4.6	196.9
MUB163	161	44		3	0	0	49	80	0	49.9	33.3	20.3	3.7	180.5
MUB163	161	46		3	0	0	49	80	0	56.8	30.7	22.5	4.3	190
MUB163	161	48	4.43	2	0	0	49	80	0	51.8	32.6	21.5	4.4	205.1
MUB163	161	50		2	0	0	49	80	0	51.5	38.4	23.2	5.8	250.9
MUB163	161	52		2	0	0	49	80	0	45.4	28.1	24.4	4.3	174.6
MUB163	161	54	5	2	0	0	49	80	0	40	33.6	23.6	4.4	185.4
MUB163	161	56		2	0	0	49	80	0	38.7	25.4	22.5	4.4	196.1
MUB163	161	58		2	0	0	58	95	0	36.8	22.7	22.1	3.4	154.3
MUB163	161	60	1.89	2	0	0	58	95	0	41.1	24.2	25.2	3.9	154.7
MUB163	161	62		2	0	0	58	95	0	30.2	31.3	23.8	4.6	193.9
MUB163	161	64	3.45	2	0	0	58	95	0	38.2	32.7	20	3.6	182.2
MUB163	161	66		2	0	0	58	95	0	38.2	31.9	21.6	3.5	163.9
MUB163	161	68		2	0	0	58	95	0	34.9	32.9	24.6	4	164.8
MUB163	161	70		2	0	0	58	95	0	39.1	30.5	23.9	3.5	146.6
MUB163	161	72		2	0	0	58	95	0	29	27.2	22	3.9	178.5
MUB163	161	74		2	0	0	58	95	0	21.9	27.6	19.7	4.2	210.6
MUB163	161	76		2	0	0	58	95	0	20.9	21.3	18.9	3.8	201.5
MUB163	161	78		2	0	0	58	95	0	26.6	21.8	20.2	3.4	170
MUB163	161	80		2	0	0	58	95	0	33.9	18.8	19.2	4	210.1
MUB163	161	82		2	0	0	46	82	0	33.4	22.8	18.2	3.3	181.1
MUB163	161	84		2	0	0	46	82	0	47.6	29	25.5	4.6	179.1
MUB163	161	86		2	0	0	46	82	0	34.1	25.4	23.7	4.9	207.6
MUB163	161	88		2	0	0	46	82	0	41.7	23.7	23.4	5.3	225.1
MUB163	161	90		2	0	0	46	82	0	32.4	23.6	20.4	4	195.3
MUB163	161	92		2	0	0	46	82	0	31.9	23.7	20.3	4	196.4
MUB163	161	94		2	0	0	46	82	0	30.7	23.4	20.2	4	198
MUB163	161	96		2	0	0	46	82	0	22.7	20.8	24.4	4.7	193.6
MUB163	161	98		2	0	0	46	82	0	26.4	18.4	23.5	4.2	178.3
MUB163	161	100		2	0	0	46	82	0	24.7	17.7	24.6	3.9	158.2
MUB163	161	102		2	0	0	46	82	0	18.1	15.4	21.8	4.3	195.6
MUB163	161	104		2	0	0	46	82	0	20.3	14	19	3.9	205.6
MUB163	161	106		2	0	0	46	82	0	15.8	22.4	20.3	4.1	202.9
MUB163	161	108		3	0	0	46	82	0	14.9	14.4	21.3	4.3	203.8
MUB163	161	110		3	0	0	46	82	0	33.5	16.3	20.5	4.4	213
MUB163	161	112		3	0	0	46	82	0	30.8	10.2		3.3	
MUB163	161	114		3	0	0	46	82	0	44.6	13.2		3.4	
MUB163	161	116		3	0	0	46	82	0	78.9	13		3.1	

MUB163	161	118		3	0	0	46	82	0	87.5	14.3	26	3.2	123
MUB163	161	120		3	0	0	46	82	0	98.8	13.4	25.2	3.1	121.7
MUB163	161	122		3	0	0	46	82	0	189.9	12.4	27.1	3.2	116.5
MUB163	161	124		3	0	0	46	82	0	141	20.2	27.7	3.4	122
MUB163	161	126		3	0	0	46	82	0	82.4	12.3	27	3.1	115.9
MUB163	161	128		3	0	0	46	82	0	88.6	16.9	28.2	3.7	130.4
MUB163	161	130		2	0	0	46	82	0	129	13.9	29.3	4.1	139
MUB163	161	132		2	0	0	46	82	0	93.2	12.6	26.2	3.3	125.9
MUB163	161	134		2	0	0	46	82	0	57.3	12.6	27.2	3.5	127.8
MUB163	161	136		2	0	0	46	82	0	38.2	9.6	26.6	3.5	132.4
MUB163	161	138		2	0	0	46	82	0	110.7	7.6	25	3.7	148.5
MUB163	161	140		2	0	0	46	82	0	29.5	8.9	27.4	3.9	140.8
MUB163	161	142		2	0	0	46	82	0	23.3	11	30.7	4.3	141.4
MUB163	161	144		2	0	0	46	82	0	16.4	9.6	26.1	3.8	145.7
MUB163	161	146		2	0	0	46	82	0	13.4	9.1	26.6	3.8	143.3
MUB163	161	148		2	0	0	46	82	0	12.6	11.1	27.9	3.9	138.3
MUB163	161	150		2	0	0	46	82	0	16	10.6	25.2	3.5	139.6
MUB163	161	152		2	0	0	46	82	0	11.9	12.1	25.1	3.7	149.1
MUB163	161	154		2	0	0	46	82	0	13.6	16.4	25.4	3.7	147.2
MUB163	161	156		2	0	0	46	82	0	18.7	12	26.2	4.4	167.8
MUB163	161	158		2	0	0	46	82	0	16.4	12.9	24.3	4.3	177.5
MUB163	161	160		2	0	0	46	82	0	16.7	13.5	24.6	4.1	167.4
MUB163	161	162		2	0	0	46	82	0	21.1	17.7	24.7	3.9	156.5
MUB163	161	164		2	0	0	46	82	0	58	23	30.1	8.8	291
MUB163	161	166		2	0	0	46	82	0	10	13.6	26.8	4.3	158.5
MUB163	161	168		2	0	0	46	82	0	10	12	10.2	1.7	161.9
MUB163	161	170		2	0	0	46	82	0	10	6.9	23.6	3.8	159.7
MUB163	161	172		2	0	0	46	82	0	10	4.4	24.1	3.8	157.1
MUB163	161	174		2	0	0	46	82	0	10	3.4	23.5	3.7	156
MUB163	161	176		2	0	0	46	82	0	10.9	3.7	21.9	3.5	162
MUB163	161	178		2	0	0	46	82	0	14.5	6.5	27.6	4.4	160.3
MUB163	161	180		2	0	0	46	82	0	11.7	6.2	23.1	3.9	166.9
MUB163	161	182		2	0	0	46	82	0	10	7	23.8	4.4	186.2
MUB163	161	184		2	0	0	46	82	0	15.4	5.8	23	4.3	188.2
MUB163	161	186		2	0	0	46	82	0	43.7	8.4	25	4.7	188.5
MUB163	161	188		2	0	0	46	82	0	12	8.4	23.6	4.5	191.1
MUB163	161	190		2	0	0	46	82	0	17.1	5.7	24.6	4.5	180.8
MUB163	161	192		2	0	0	46	82	0	11.3	5.4	24.9	4.4	178.6
MUB163	161	194		2	0	0	46	82	0	10	5	23.6	4.3	183.3
MUB163	161	196		2	0	0	46	82	0	10	6.1	23.3	4.1	174.7
MUB163	161	198		2	0	0	46	82	0	10.1	4.8	23.9	4.2	175.1
MUB163	161	200		2	0	0	27	46	0	116.2	13.2	25.1	3.1	125.1
NB151	148	0		8					0					
NB151	148	2		8					0					
NB151	148	4		8					0	161.8	13.2	32.1	4.7	146.5
NB151	148	6		8					0	188.4	7.4	38.8	5.6	145.1
NB151	148	8		8					0	92.5	6.6	27.6	4.4	161
NB151	148	10		8					0	113	7.1	31.3	4.8	152.5
NB151	148	12		8					0	154.4	6.1	39.9	5.5	137.5
NB151	148	14		8	0	0			0	190.9	4	38.7	5.4	138.4
NB151	148	16		8	0	0			0	229.7	2.4	36.7	5.9	160.2
NB151	148	18		8	0	0			0	200.8	3.5	31.6	5.7	179
NB151	148	20		8	0	0			0	161.1	4.3	33.9	5.6	165.1
NB151	148	22		8	0	0			0	269.4	3.1	38.7	6.4	164.3
NB151	148	24		8	0	0			0	332.6	2.2	39.8	7	174.9
NB151	148	25		8	0	0			0	264.6	0	37.7	6.6	174.4
NB151	148	26		8	0	0			0	318.3	0	42.3	6.6	155
NB151	148	28		4	0	0			0	338	0	40.7	7.5	183.1
NB151	148	30		4	0	0			0	351.5	0	35.7	7	196.6
NB151	148	32		4	0	0			0	271.9	0	42	6.1	146
NB151	148	34	3.32	4	0	0			0	276.9	0	38.9	7.1	182.2
NB151	148	36		4	0	0			0	224.8	1	35.2	6.4	183.1
NB151	148	38		4	0	0			0	230	1.1	36.3	6.9	190.6
NB151	148	40		4	0	0			0	193.8	0	39.6	6.4	162.5
NB151	148	42		4	0	0			0	206.4	1.6	42.1	6.5	153.9
NB151	148	44		4	0	0			0	230.3	0	38.7	6.6	169.9
NB151	148	46	3.35	4	0	0			0	255.5	1.3	38.3	7.4	193
NB151	148	48		4	0	0			0	260.9	1.4	39.8	8.2	205.1

NB151	148	50		4	0	0			0	231.1	0	39.1	8	205.9
NB151	148	52		4	0	0			0	211.9	0	35.3	7.8	220.1
NB151	148	54		4	0	0			0	101.1	0	20.8	4.3	207.9
NB151	148	56		4	0	0			0	65.5	0	18.4	3.8	208.8
NB151	148	58	2.53	4	0	0			0	67.6	1.6	24.3	4.9	200.2
NB151	148	60		4	0	0			0	76.3	1.1	18.3	3.4	186.2
NB151	148	62		4	0	0			0	73.2	1.1	18.1	3.7	205.8
NB151	148	64		4	0	0			0	58.9	1.4	17.6	3.5	197.7
NB151	148	66		4	0	0			0	162.2	0	19	3.5	182
NB151	148	68		4	0	0			0	53	1.7	20.1	3.5	175
NB151	148	70	2.45	4	0	0			0					
NB151	148	72		4	0	0			0	91.7	1.4	26.5	4.5	169.4
NB151	148	74		4	0	0			0	90.3	0	21.8	3.9	177.6
NB151	148	76		4	0	0			0	67.4	0	25.4	4.2	166.1
NB151	148	78		4	0	0			0	78	0	24.4	3.8	157.2
NB151	148	80		5	0	0			0	64	0	26.1	4.2	159.8
NB151	148	82	3.22	5	0	0			0	64.8	1.1	23.1	3.6	156.3
NB151	148	84		5	0	0			0	73.1	0	25.2	3.9	153.6
NB151	148	86		5	0	0			0	72.7	1	24	3.6	152
NB151	148	88		5	0	0			0	34.9	1	22.9	3.5	153
NB151	148	90		5	0	0			0	41.4	1.8	23.8	3.6	151.3
NB151	148	92		5	0	0			0	32.4	1.3	22.8	3.5	152.6
NB151	148	94	3.22	5	0	0			0	23.8	1.1	20.8	3.3	160.1
NB151	148	96		5	0	0			0	23	0		3.9	
NB151	148	98		5	0	0			0	28.7	1.6	19	3.2	167.1
NB151	148	100		5	0	0			0	24.4	1	24	3.9	162
NB151	148	102		5	0	0			0	28.6	0		3.6	
NB151	148	104		5	0	0			0	31.7	1		3.5	
NB151	148	106	3.76	5	0	0			0	25.3	1.4	18.4	3.3	177.7
NB151	148	108		5	0	0			0		1.1	17.6	3.2	180.1
NB151	148	110		5	0	0			0	24.3	1.1		3.2	
NB151	148	112		5	0	0			0					
NB151	148	114		5	0	0			0					
NB151	148	116		5	0	0			0					
NB151	148	118	2.74	5	0	0			0					
NB151	148	120		5	0	0			0					
NB151	148	122		5	0	0			0					
NB151	148	124		5	0	0			0					
NB151	148	126		5	0	0			0					
NB151	148	128		5	0	0			0					
NB151	148	130	2.68	5	0	0			0					
NB151	148	132		5	0	0			0					
NB151	148	134		5	0	0			0					
NB151	148	136		5	0	0			0					
NB151	148	138		5	0	0			0	208.8	0	34.8	7.8	225.1
NB151	148	140		5	0	0			0	211.4	0	35	7.7	220
NB151	148	142	3.42	5	0	0			0	189.6	0	33.2	7.2	216.1
NB151	148	144		5	0	0			0	168.5	0	34.7	7.7	221.4
NB151	148	146		5	0	0			0	151.9	1.1	34.6	7.2	207.5
NB151	148	148		5	0	0			0	112.7	2.1	34.8	7.2	206.5
NB151	148	150		5	0	0			0	92.6	1	31.4	6.4	204.4
NB151	148	152		5	0	0			0	98.8	1	33	6.8	205.8
NB151	148	154	1.22	5	0	0			0	109.8	2.1	33.1	7	212.4
NB151	148	156		5	0	0			0	94.1	1.2	32.7	7.1	215.9
NB151	148	158		5	0	0			0	85.7	2.7	31.6	5.8	184.2
NB151	148	160		5	0	0			0	80.7	2.2	31.2	6.3	202.1
NB151	148	162		5	0	0			0	83.7	2.2	30.8	6.3	204.2
NB151	148	164		5	0	0	20	70	0	79.3	2.9	32.6	6.4	195.2
NB151	148	166	1.34	5	0	0	20	70	0	85.5	3.8	33.2	6.6	197.3
NB151	148	168		5	0	0	20	70	0	68.3	0	35.4	6.1	173.3
NB151	148	170		5	0	0	20	70	0	51.4	3.1	31.7	5.5	173.1
NB151	148	172		5	0	0	20	70	0	67.2	2.1	33	5.4	164.5
NB151	148	174		5	0	0	20	70	0	55.5	2.7	33.5	5.6	166.9
NB151	148	176		5	0	0	20	70	0	64.7	2.5	33.4	6	180.5
NB151	148	178	1.86	5	0	0	20	70	0	77.7	2.4	33	6.8	205.3
NB151	148	180		5	0	0	20	70	0	86.6	2.2	32.9	7.2	219.4
NB151	148	182		5	0	0	20	70	0	112.1	2.3	33.4	7.3	219.8
NB151	148	184		5	0	0	20	70	0	117.1	0	33.7	6.9	203.6

NB151	148	186		5	0	0	35	93	0	84	0	33.3	6.8	203.8
NB151	148	188		5	0	0	35	93	0	77.1	5.3	32.4	6.5	199.2
NB151	148	190	2.81	5	0	0	35	93	0	76.6	0	37	6.7	180.1
NB151	148	192		5	0	0	35	93	0	96	2.6	34.8	6.9	199.7
NB151	148	194		5	0	0	35	93	0	131.2	1.6	30.9	5.5	179
NB151	148	196		5	0	0	35	93	0	111.8	1	31.9	6.8	213
NB151	148	198		5	0	0	35	93	0	102.2	0	32.5	6.5	201.7
NB151	148	200		5	0	0	35	93	0	101.1	2.2	30.8	5.5	179.5
NB151	148	202	3.32	5	0	0	35	93	0		0		7.2	
NB151	148	204		5	0	0	35	93	0	89.5	1.8	33.4	6.7	201.8
NB151	148	206		5	0	0	35	93	0	59	0	33.8	7	206.1
NB151	148	208		5	0	0	35	93	0	109.6	1.8	36.6	7.4	202
NB151	148	210		5	0	0	28	86	0	70.3	0	35.4	6.9	194.7
NB151	148	212		5	0	0	28	86	0	51.9	0	34	7.1	208.4
NB151	148	214	2.29	5	0	0	28	86	0	47.9	1.1	32.2	6.4	200.3
NB151	148	216		5	0	0	28	86	0	42.6	1.1	32.2	6.5	201.3
NB151	148	218		5	0	0	28	86	0	83.2	2.6	32.8	5.9	179.7
NB151	148	220		5	0	0	28	86	0	60.7	0	33.1	6	182
NB151	148	222		5	0	0	28	86	0	70	0	32.2	6	185.3
NB151	148	224		5	0	0	28	86	0	30.7	0	27.3	4.5	163.5
NB151	148	226	1.86	5	0	0	28	86	0	51.3	0	31	5.2	166.5
NB151	148	228		5	0	0	28	86	0	35.9	0	31.4	5.5	175.1
NB151	148	230		5	0	0	28	86	0	32.7	0	25.9	5.4	208.1
NB151	148	232		5	0	0	28	86	0	34	0	23.6	5	213.9
NB151	148	234		5	0	0	31	106	0	36.5	1.3	29.8	5.5	183.4
NB151	148	236		5	0	0	31	106	0	36.2	0	27.9	4.9	175.4
NB151	148	238	2.94	5	0	0	31	106	0	17.1	4.4	29.1	5.2	179.9
NB151	148	240		5	0	0	31	106	0					
NB151	148	242		5	0	0	31	106	0	44.5	1.8	32.2	5.4	168.3
NB151	148	244		5	0	0	31	106	0	43	1.4	29.3	5.3	180.4
NB151	148	246		5	0	0	31	106	0	31.4	0	30.1	5.3	174.5
NB151	148	248		5	0	0	31	106	0	42.1	0	30.9	5.4	174.9
NB151	148	250	1.49	5	0	0	31	106	0	66.7	0	26.4	5.5	209
NB151	148	252		5	0	0	31	106	0	52.8	2	26.3	5.5	209.4
NB151	148	254		5	0	0	31	106	0	42.8	1.8	25.7	5.4	210
NB151	148	256		5	0	0	31	106	0	32.7	2.2	22.2	5	226.7
NB151	148	258		5	0	0	31	106	0	31.8	1	21.8	4.4	201.7
NB151	148	260		5	0	0	31	106	0	35.3	1.2	25.8	5.1	196.7
NB151	148	262	1.03	5	0	0	31	106	0	32	0	27.6	5.6	204.5
NB151	148	264		5	0	0	31	106	0	31.2	1	22.3	4.4	198.8
NB151	148	266		5	0	0	31	106	0	28.8	2.9	25.7	4.9	189
NB151	148	268		5	0	0	31	106	0	20.8	1.4	23.5	5.1	218.1
NB151	148	270		5	0	0	31	106	0	21.2	1.6	20.1	4.8	238.5
NB151	148	272		5	0	0	31	106	0	27	1.2	22.9	5.5	238.8
NB151	148	274	1.36	5	0	0	31	106	0	35.9	1.6	22.8	5.5	240.9
NB151	148	276		5	0	0	31	106	0	48.7	2.3	21.5	5	230.9
NB151	148	278		5	0	0	31	106	0	53.5	2.2	27	6.6	244.6
NB151	148	280		5	0	0	31	106	0	48.3	2	22.4	5.1	228.8
NB151	148	282		5	0	0	31	106	0	27.9	0	21	4.8	230
NB151	148	284		5	0	0	31	106	0	28.9	0	17.8	3.9	220.9
NB151	148	286	1.69	5	0	0	31	106	0	29.9	2.2	19.6	4.3	220.4
NB151	148	288		5	0	0	31	106	0	34.9	1.1	22.1	4.7	212.4
NB151	148	290		5	0	0	31	106	0	48.1	1.7	23.6	4.8	201.9
NB151	148	292		4	0	0	31	106	0	57.8	1.5	22.6	4.7	207.7
NB151	148	294		4	0	0	31	106	0	53.9	0	23.8	5.1	214.8
NB151	148	296		3	0	0	31	106	0	37.9	1.3	21.7	4.9	223.7
NB151	148	298	1.96	3	0	0	31	106	0	39.9	0	20	4.6	228.1
NB151	148	300		4	0	0	31	106	0	56.7	1.9	23	5.1	220.6
NB151	148	302		3	0	0	31	106	0	46.3	0	22.6	4.7	206.5
NB151	148	304		3	0	0	31	106	0	58.2	1.5	27.3	5.5	200.2
NB151	148	306		3	0	0	31	106	0	66.2	3.3	24	5.1	211.9
NB151	148	308		3	0	0	31	106	0	30.6	2.4	21.6	4.3	196.7
NB151	148	310	1	3	0	0	31	106	0	36.5	2.2	23.9	5	211.2
NB151	148	312		3	0	0	31	106	0	32.5	2	21.1	4.2	198.1
NB151	148	314		3	0	0	31	106	0	52.5	1.9	21.7	4.3	196.8
NB151	148	316		3	0	0	31	106	0	46.9	1.1	24	4.6	190.5
NB151	148	318		3	0	0	31	106	0	49.6	0	27.4	5	184.3
NB151	148	320		3	0	0	31	106	0	117.2	14.1	31.3	5.7	182.4

NB151	148	322	1.36		3	0	0	31	106	0	51.1	2	24.6	4.9	201.1
NB151	148	324			3	0	0	31	106	0	57.4	1.7	22.9	4.5	195
NB151	148	326			3	0	0	31	106	0	64.7	1.4	27	4.9	182.5
NB151	148	328			3	0	0	31	106	0	68.8	2.3	24.2	4.4	182.8
NB151	148	330			3	0	0	38	68	0	36.8	0	21.2	3.6	168.6
NB151	148	332			3	0	0	38	68	0	43.2	1.9	23.8	4.1	173
NB151	148	334	1.15		3	0	0	38	68	0	36.9	0	19.6	3.4	174.2
NB151	148	336			2	0	0	38	68	0	37.3	0	24.1	3.9	162.1
NB151	148	338			2	0	0	38	68	0	256	3.4	23.4	4.3	182.3
NB151	148	340			2	0	0	38	68	0	123.7	0	19.3	3.8	198.7
NB151	148	342			2	0	0	38	68	0	100.8	1.4	26.4	4.9	184.8
NB151	148	344			2	0	0	38	68	0	138.8	1.6	24.7	5.1	205.3
NB151	148	346			2	0	0	38	68	0	85.4	1.4	22.2	4.7	213.5
NB151	148	348			2	0	0	38	68	0	98.8	0	18.6	4.4	236.6
NB151	149	0			8					0					
NB151	149	2			8					0					
NB151	149	4			8					0	97.2	99.3	26.8	4.1	151.7
NB151	149	6			8					0	93.8	76.8	25.6	4.4	171.4
NB151	149	8			8					0	101.4	51.6	26	4.4	168
NB151	149	10			8					0	118.8	41.9	24.5	4.6	186.6
NB151	149	12			8					0	127.1	35.4	28.5	4.9	171.6
NB151	149	14			8	0	0			0	136.1	28.2	26.7	4.5	169.7
NB151	149	16			8	0	0			0	159.1	22.3	25.4	4.8	187.4
NB151	149	18			8	0	0			0	166.9	19.3	24.8	4.8	192.7
NB151	149	20			8	0	0			0	172.1	17.7	24.2	4.9	200.5
NB151	149	22			8	0	0			0	170	18.1	23.4	3.6	153
NB151	149	24			8	0	0			0	188.7	15.2	24.9	5.2	208
NB151	149	25			8	0	0			0	170.3	11.4	27.1	3.9	144.6
NB151	149	26			8	0	0			0	202	11.6	24.5	5	204.7
NB151	149	28			4	0	0			0	224.7	11	27.5	5.3	191.9
NB151	149	30			4	0	0			0	245.8	9.4	26.9	4.7	175
NB151	149	32			4	0	0			0	262.9	9.5	27.7	4.8	172.6
NB151	149	34	9.24	1337.28	4	0	0			0	201.9	8.8	27.1	4.5	167.5
NB151	149	36			4	0	0			0	200	7.5	28.4	4.4	154.1
NB151	149	38			4	0	0			0	202.1	7.2	29	4.5	155.1
NB151	149	40			4	0	0			0	195	6.9	28.3	4.9	172.8
NB151	149	42			4	0	0			0	325.4	5.9	28.6	4.6	161.8
NB151	149	44			4	0	0			0	273	9.5	34	4.7	139.3
NB151	149	46	6.47	395.17	4	0	0			0	290.4	8.1	29.9	4.5	150.7
NB151	149	48			4	0	0			0	268.4	9.1	29.8	4.9	163.4
NB151	149	50			4	0	0			0	248.4	8	30.3	4.7	155.4
NB151	149	52			4	0	0	38	70	0	222.9	7.3	29.8	4.4	148
NB151	149	54			4	0	0	38	70	0	121.8	2.7	31.8	5.2	162.1
NB151	149	56			4	0	0	38	70	0					
NB151	149	58	3.03		4	0	0	38	70	0	94.9	2.5	32.1	4.8	150.5
NB151	149	60			4	0	0	38	70	0	99.4	2.4	29.6	4.8	162
NB151	149	62			4	0	0	38	70	0	96	2.3	28.3	5	177.5
NB151	149	64			4	0	0	38	70	0	94.3	2.1	28.3	4.9	172.7
NB151	149	66			4	0	0	38	70	0	162.1	2.9	28.9	4.8	166.1
NB151	149	68			4	0	0	38	70	0	94	2.7	33.2	4.3	129.7
NB151	149	70	3.39		4	0	0	38	70	0	195.8	2.9	35.3	4.6	130.2
NB151	149	72			4	0	0	38	70	0	167.7	2.8	33.8	4.4	129.3
NB151	149	74			4	0	0	38	70	0	169.2	3.1	33.8	4.6	136
NB151	149	76			4	0	0	38	70	0	147.8	2.4	36.3	5	137.9
NB151	149	78			4	0	0	38	70	0	112.3	2.9	33.7	4.7	139.8
NB151	149	80			5	0	0	38	70	0	144.9	2.6	30.5	4.5	145.9
NB151	149	82	5.51		5	0	0	38	70	0	177	4.1	32.8	4.7	144
NB151	149	84			5	0	0	38	70	0	200.7	3.9	32.3	4.8	148.2
NB151	149	86			5	0	0	38	70	0	272.4	2.9	36.1	4.3	120.4
NB151	149	88			5	0	0	38	70	0	93.9	2	33.3	4.8	144
NB151	149	90			5	0	0	41	86	0	79.4	2.8	37.5	4.5	119.8
NB151	149	92			5	0	0	41	86	0	56.6	3	38.5	4.5	117.5
NB151	149	94	11.16	864.33	5	0	0	41	86	0	46.9	2.5	35.1	4.8	135.6
NB151	149	96			5	0	0	41	86	0	42	2.7	37.7	4.9	129.6
NB151	149	98			5	0	0	41	86	0	45.3	2.5	37.1	4.7	125.8
NB151	149	100			5	0	0	41	86	0	40.9	2.7	35.2	4.4	123.6
NB151	149	102			5	0	0	41	86	0	42.8	2.2	33.3	4.5	134.6
NB151	149	104			5	0	0	41	86	0	43.5	2.7	35.4	4.8	135.2

NB151	149	106	2.91	5	0	0	41	86	0	36.1	2.7	33.2	4.8	143.5
NB151	149	108		5	0	0	41	86	0	10.5	1.6	27.1	4.2	155.4
NB151	149	110		5	0	0	41	86	0	40	2.7	30.8	4.8	154.7
NB151	149	112		5	0	0	41	86	0					
NB151	149	114		5	0	0	41	86	0					
NB151	149	116	3.24	5	0	0	41	86	0					
NB151	149	118		5	0	0	41	86	0					
NB151	149	120		5	0	0	41	86	0					
NB151	149	122		5	0	0	41	86	0					
NB151	149	124		5	0	0	41	86	0					
NB151	149	126		5	0	0	41	86	0					
NB151	149	128		5	0	0	41	86	0					
NB151	149	130		5	0	0	41	86	0					
NB151	149	132		5	0	0	41	86	0					
NB151	149	134	1.1	5	0	0	41	86	0					
NB151	149	136		5	0	0	41	86	0					
NB151	149	138		5	0	0	41	86	0	227.8	7.1	29.9	4.3	142.5
NB151	149	140		5	0	0	41	86	0	216.7	5.8	28.3	4.3	153.6
NB151	149	142		5	0	0	41	86	0	201.5	5.8	29.2	4.1	140.6
NB151	149	144		5	0	0	41	86	0	204.3	5.2	25.5	3.9	153.6
NB151	149	146	1.48	5	0	0	41	86	0	182.1	21.9	30.2	4.7	156.7
NB151	149	148		5	0	0	41	86	0	187.8	14.2	27.8	4.5	162.8
NB151	149	150		5	0	0	41	86	0	176.3	10.2	28.2	4.4	157.3
NB151	149	152		5	0	0	41	86	0	184.2	8.9	25.9	4.5	172.6
NB151	149	154		5	0	0	41	86	0	195.6	9	26.9	4.5	166.8
NB151	149	156		5	0	0	41	86	0	155.8	8.5	28.7	4.5	157.7
NB151	149	158	1.3	5	0	0	41	86	0	127.6	8	27.1	4.6	168.9
NB151	149	160		5	0	0	41	86	0	121.1	8.1	24.9	4.4	174.7
NB151	149	162		5	0	0	41	86	0	123.2	8.4	25.9	4.2	163.2
NB151	149	164		5	0	0	44	74	0	113.7	6.5	26.5	4.5	168.4
NB151	149	166		5	0	0	44	74	0	140	6.1	28.3	4.4	153.9
NB151	149	168		5	0	0	44	74	0	117.9	6.6	27	4.2	154.9
NB151	149	170	1.52	5	0	0	44	74	0	125.5	18.9	32	4.5	139.5
NB151	149	172		5	0	0	44	74	0	93	9.8	28.2	4.2	150.6
NB151	149	174		5	0	0	44	74	0	88.2	8.5	30.1	4.5	149.8
NB151	149	176		5	0	0	44	74	0	86.7	7.2	31.5	4.9	155.3
NB151	149	178		5	0	0	44	74	0	101.6	7.6	32.4	5.1	156.9
NB151	149	180		5	0	0	44	74	0	144.4	7.5	28.8	5.4	187.1
NB151	149	182		5	0	0	44	74	0	202.3	7	33.5	5.7	170.9
NB151	149	184		5	0	0	44	74	0	315.7	8.8	33.7	5.6	167.5
NB151	149	186		5	0	0	44	74	0	219.4	7.3	31.1	5.4	174.1
NB151	149	188		5	0	0	44	74	0	315.5	9.4	29.4	3.4	116.2
NB151	149	190		5	0	0	44	74	0	175.9	5.5	31.2	5.1	162.2
NB151	149	192		5	0	0	44	74	0	214.4	5.6	33.4	5.2	155.2
NB151	149	194		5	0	0	44	74	0	336.6	6	31.1	5.2	168
NB151	149	196	3.82	5	0	0	44	74	0	449.5	5.8	32.4	5.1	157
NB151	149	198		5	0	0	44	74	0	369	6.9	33.5	4.6	138.8
NB151	149	200		5	0	0	44	74	0	222.7	6.8	32.2	7	217.2
NB151	149	202		5	0	0	44	74	0	277	4.2	30.8	4.7	151.8
NB151	149	204		5	0	0	44	74	0	141.8	5.2	30.5	4.7	152.4
NB151	149	206		5	0	0	44	74	0	114.9	5.3	32.6	5.1	155.9
NB151	149	208	3.98	5	0	0	44	74	0	131.1	5.2	37.2	5.3	143.1
NB151	149	210		5	0	0	26	112	0	124.2	5.4	38.4	5.4	140.1
NB151	149	212		5	0	0	26	112	0	116	5.7	38.2	5.6	145.5
NB151	149	214		5	0	0	26	112	0	77.3	4.2	33.2	4.9	148
NB151	149	216		5	0	0	26	112	0	65.2	3.9	36.8	5.1	139.2
NB151	149	218		5	0	0	26	112	0	81.6	13.8	40.8	4.6	112.5
NB151	149	220	2.84	5	0	0	26	112	0	94.6	4.5	36	4.6	127.1
NB151	149	222		5	0	0	26	112	0	100.2	3.6	36.7	4.7	128.4
NB151	149	224		5	0	0	26	112	0	66.1	3.6	40.3	4.6	114.9
NB151	149	226		5	0	0	26	112	0	106.2	4.2	41.8	5	120.3
NB151	149	228		5	0	0	26	112	0	66.5	3.7	35.5	4.8	135.8
NB151	149	230		5	0	0	26	112	0	67	4	34.6	4.9	143
NB151	149	232	1.62	5	0	0	26	112	0	62	4.1	37.9	5.2	136
NB151	149	234		5	0	0	26	112	0	67.7	3.9	33.8	5.2	152.9
NB151	149	236		5	0	0	26	112	0	63.3	3.1	36.5	4.6	126.5
NB151	149	238		5	0	0	26	112	0	66.7	4.4	32.2	4.5	140.8
NB151	149	240		5	0	0	26	112	0					

NB151	149	242		5	0	0	26	112	0	82.7	2.3	36.2	4.9	134.4
NB151	149	244	0.45	5	0	0	26	112	0	77.8	3.7	37	4.7	127
NB151	149	246		5	0	0	26	112	0	10.3	4.7	87.7	7.3	83.6
NB151	149	248		5	0	0	26	112	0	105.4	3.1	37.5	5.4	143.7
NB151	149	250		5	0	0	26	112	0	122	3.1	38	5.3	140.1
NB151	149	252		5	0	0	26	112	0	72.3	2.1	34.1	4.8	141.3
NB151	149	254		5	0	0	26	112	0	73.3	2	31.2	4.9	158.5
NB151	149	256	0.5	5	0	0	26	112	0	59.5	3.2	32.8	5.2	160
NB151	149	258		5	0	0	26	112	0	59.4	2.6	28.4	4.9	172.1
NB151	149	260		5	0	0	26	112	0	58.6	2.3	29.6	4.9	166.4
NB151	149	262		5	0	0	26	112	0	54.8	1.9	29.7	4.9	164.1
NB151	149	264		5	0	0	26	112	0	56.9	1.7	29.4	4.8	164.4
NB151	149	266		5	0	0	26	112	0	65.2	2.7	30	4.6	154.9
NB151	149	268	1.28	5	0	0	26	112	0	49.5	11.4	31.1	4.9	157.5
NB151	149	270		5	0	0	26	112	0	51.8	3.1	29.5	4.9	166.7
NB151	149	272		5	0	0	26	112	0	53.8	2.1	28.9	5.2	181.2
NB151	149	274		5	0	0	26	112	0	57	2.2	30.1	5.4	180.4
NB151	149	276		5	0	0	26	112	0	116.2	2.5	25.5	5.3	206.7
NB151	149	278		5	0	0	26	112	0	72.5	3.5	27.2	5.6	204.8
NB151	149	280	1.84	5	0	0	26	112	0	53.1	3.1	27.3	5.6	205.6
NB151	149	282		5	0	0	26	112	0	61.2	3	28.8	4.9	168.9
NB151	149	284		5	0	0	26	112	0	52.9	3	28	5.3	187.8
NB151	149	286		5	0	0	26	112	0	63.3	2.7	28	4.8	172.6
NB151	149	288		5	0	0	26	112	0	62.2	2.2	28.8	4.7	162
NB151	149	290		5	0	0	26	112	0	103.3	2.7	29	4.1	139.7
NB151	149	292	1.95	4	0	0	26	112	0	129.7	2.2	31.4	5	159.5
NB151	149	294		4	0	0	26	112	0	81.8	2.5	29.3	4.9	167.6
NB151	149	296		3	0	0	26	112	0	60.8	2.4	29	5.1	177.4
NB151	149	298		3	0	0	26	112	0	62.3	3	29.1	5	173
NB151	149	300		4	0	0	26	112	0	211.3	3.4	30.7	5.6	181.2
NB151	149	302		3	0	0	26	112	0	103.6	2	30.8	5.5	178.9
NB151	149	304	2.5	3	0	0	26	112	0	112.6	2.6	30.3	5	164.5
NB151	149	306		3	0	0	26	112	0	107.6	2.7	32.4	4.9	149.5
NB151	149	308		3	0	0	26	112	0	55.4	2.7	31.3	4.9	156.6
NB151	149	310		3	0	0	26	112	0	51.6	2.4	31	4.7	152.8
NB151	149	312		3	0	0	26	112	0	49	2	32.5	4.8	148.1
NB151	149	314		3	0	0	26	112	0	86	2	32.2	4.9	153.1
NB151	149	316	2.29	3	0	0	26	112	0	71.8	2.5	30.9	4.8	156.3
NB151	149	318		3	0	0	26	112	0	65	2.1	29.9	4.8	161.5
NB151	149	320		3	0	0	26	112	0	87	2.8	23.7	5	211.3
NB151	149	322		3	0	0	26	112	0	81.3	4	29.8	4.7	159
NB151	149	324		3	0	0	26	112	0	89.9	3.4	31.7	4.4	140.1
NB151	149	326		3	0	0	26	112	0	112.5	3.6	31	4.6	149.3
NB151	149	328		3	0	0	26	112	0	95.3	3.5	31.7	4.7	147.8
NB151	149	330		3	0	0	24	47	0	84.9	2.7	31.3	4.6	147.2
NB151	149	332		3	0	0	24	47	0	84.1	2.7	31.5	4.8	153.3
NB151	149	334		3	0	0	24	47	0	86.3	2.8	31.6	4.3	134.5
NB151	149	336		2	0	0	24	47	0	76.4	2.4	32.6	4.4	134.8
NB151	149	338		2	0	0	24	47	0	114.8	2.6	29.1	4.2	144
NB151	149	340	1.25	2	0	0	24	47	0	85.6	2.9	30.5	4.7	152.8
NB151	149	342		2	0	0	24	47	0	78.1	3.4	31.2	5.1	164.1
NB151	149	344		2	0	0	24	47	0	112.7	2.4	29.6	5.3	180.2
NB151	149	346		2	0	0	24	47	0	86.1	3.4	30.2	5.4	177.4
NB151	149	348		2	0	0	24	47	0	95.4	2.5	31.7	5.3	167.7
NL153	63	75		2	0	0	58	100	0					
NL153	63	77		3	0	0	58	100	0					
NL153	63	79		3	0	0	58	100	0	21	28	9	550.6	16.4
NL153	63	81		3	0	0	101	112	0	17.3	16.8	12.2	592.1	20.6
NL153	63	83	3.22	3	0	0	101	112	0	14.4	32.3	9.4	513.4	18.4
NL153	63	85		3	0	0	101	112	0	20.6	41.1	9.3	473.8	19.5
NL153	63	87		3	0	0	101	112	0	32	29.2	7.1	326.9	21.6
NL153	63	89		3	0	0	101	112	0	37.4	50.1	9.1	398.7	22.9
NL153	63	91		2	0	0	101	112	0	35.5	49.9	6.4	349.4	18.4
NL153	63	93		2	0	0	101	112	0	60	65.9	5.7	339.5	16.8
NL153	63	95		2	0	0	101	112	0					
NL153	63	97		2	0	0	101	112	0	84.7	36.5	6	363.7	16.5
NL153	63	99		2	0	0	101	112	0	92.4	35.3	6	347.5	17.3
NL153	63	101	0.03	2	0	0	101	112	0	105.5	35.2	4.5	312.1	14.5

NL153	63	103			3	0	0	101	112	0	99.7	31.6	5.4	329.3	16.3
NL153	63	105			3	0	0	54	83	0	77.1	39	5.3	334.5	15.8
NL153	63	107			3	0	0	54	83	0	63.4	33.1	5.5	350.7	15.8
NL153	63	109			2	0	0	54	83	0	73.2	31.6	6.1	355	17.1
NL153	63	111			2	0	0	54	83	0	74.6	25.7	5.8	372.8	15.6
NL153	63	113	1.87		2	0	0	54	83	0	63.5	23.2	4.9	306	16.2
NL153	63	115			2	0	0	54	83	0	56.2	27.5	4.4	281.4	15.6
NL153	63	117			2	0	0	54	83	0	49.3	26.8	4.7	282	16.6
NL153	63	119			2	0	0	54	83	0	52.2	26.8	5	314.8	15.7
NL153	63	121			2	0	0	54	83	0	41.2	17.2	4.5	289.1	15.7
NL153	63	123			2	0	0	54	83	0	33.2	7.9	5.4	312.8	17.3
NL153	63	125	2.47		2	0	0	54	83	0	36	11.9	5.1	295.8	17.1
NL153	63	127			2	0	0	94	148	0	32	21.8	5	311.5	16.1
NL153	63	129			2	0	0	46	74	0	27.8	24.7	5	337	14.8
NL153	63	131			2	0	0	46	74	0	48	26.4	5.9	351.9	16.7
NL153	63	133			2	0	0	46	74	0	40.3	20.2	4.9	316.9	15.4
NL153	63	135			2	0	0	46	74	0	48.2	30.2	5.7	320.7	17.8
NL153	63	137			2	0	0	46	74	0	67.4	45.6	6.1	369.5	16.5
NL153	63	139	2.35		2	0	0	46	74	0	64.8	60.6	6.6	361.1	18.2
NL153	63	141			2	0	0	46	74	0	91.2	33.5	6.5	365.3	17.8
NL153	63	143			2	0	0	46	74	0	43.8	34.9	6.5	375.5	17.4
NL153	63	145			2	0	0	46	74	0	61.2	33.8	6.1	333.5	18.3
NL153	63	147			2	0	0	46	74	0	52.9	28.6	4.7	293.9	16
NL153	63	149			2	0	0	46	74	0	77.7	40.3	5.3	312.9	17
NL153	63	151	4.69		2	0	0	46	74	0	66.7	53.7	5.2	317.6	16.4
NL153	63	153			2	0	0	46	74	0	63.9	71.7	5.2	307	16.9
NL153	63	155			2	0	0	46	74	0	58	46.8	6	335.1	17.9
NL153	63	157			2	0	0	46	74	0	71.6	46.7	6	344.7	17.4
NL153	63	159			2	0	0	46	74	0	87.4	61.1	6.5	364.2	17.8
NL153	63	161			2	0	0	46	74	0	90.2	66.7	6.7	366.5	18.3
NL153	63	163			2	0	0	46	74	0	153.4	94.9	6.7	384.8	17.4
SAC147	163	64			3	0	0	37	71	0	84.3	32.5	24.2	8.4	347.2
SAC147	163	66			3	0	0	37	71	0	119.9	24.3	21.9	9.3	427
SAC147	163	68			3	0	0	37	71	0					
SAC147	163	70			3	0	0	37	71	0	93.1	24	23.5	8.1	343.8
SAC147	163	72			3	0	0	37	71	0	107.9	13.8	22.2	8.3	373.2
SAC147	163	74			3	0	0	37	71	0	66.3	18	22.2	8.2	369.4
SAC147	163	76			3	0	0	37	71	0	57	21.2	23	8.2	357.8
SAC147	163	78	2.79	145.13	3	0	0	37	71	0	55.8	26.3	21.9	7.8	355.4
SAC147	163	80			3	0	0	37	71	0	70.8	22.2	22.1	7.8	353.2
SAC147	163	82			3	0	0	37	71	0	87.6	24.5	21.2	8.2	388.2
SAC147	163	84			3	0	0	37	71	0	104.7	25.4	20.5	8.1	394.4
SAC147	163	86			3	0	0	37	71	0	98.7	21.3	21.3	8.1	381.7
SAC147	163	88			3	0	0	37	71	0	77.8	9.2	21	8.3	396.5
SAC147	163	90			3	0	0	37	71	0	76.5	21.6	21.2	7.7	365.7
SAC147	163	92			3	0	0	37	71	0	70	14.8	21.5	8.2	380.9
SAC147	163	94			3	0	0	37	71	0					
SAC147	163	96			3	0	0	37	71	0	61.3	12.9	21	7.9	375.3
SAC147	163	98			3	0	0	37	71	0	84.3	10.8	21.8	7.8	356.3
SAC147	163	100			3	1	1	37	71	0	89	15.7	21.3	7.7	363
SAC147	163	102	2.76	144.68	4	0	1	37	71	0	72.8	15.7	22	8.3	377.4
SAC147	163	104			4	1	1	37	71	0	62.5	15.8	22.3	7.7	345.6
SAC147	163	106			4	0	0	51	102	0	66.4	13.5	21.3	8.1	380.1
SAC147	163	108			4	0	1	51	102	0	84.2	17.7	20.3	8.1	398.6
SAC147	163	110			4	0	0	51	102	0	83	16.2	20.8	7.1	343.2
SAC147	163	112			4	0	0	51	102	0	66.5	8.8	20.3	6.9	341.7
SAC147	163	114			4	0	0	51	102	0	53.6	7.7	20.5	7.1	348.2
SAC147	163	116			4	0	0	51	102	0	70	9.5	20.5	7.4	359.5
SAC147	163	118			4	0	0	51	102	0	73.4	8.1	21.1	7.2	338.4
SAC147	163	120			4	0	0	43	94	0	53	7.8	20.9	7.3	347.2
SAC147	163	122			4	0	0	43	94	0	51.2	8	20.5	6.6	323.1
SAC147	163	124			4	0	0	43	94	0	50.6	9.2	21	6.9	328.8
SAC147	163	126	1.67	41.91	4	0	0	43	94	0	57.2	12.7	20.5	6.9	334.3
SAC147	163	128			4	0	0	43	94	0					
SAC147	163	130			4	0	1	43	94	0					
SAC147	163	132			4	0	1	43	94	0					
SAC147	163	134			4	0	0	43	94	0	449.9	330.9	68.1	11.2	164.3
SAC147	163	136			4	0	0	43	94	0	462.8	316.6	60.1	12.1	201.5

SAC147	163	138			4	0	0	43	94	0	420.2	290.3	56.9	12.3	217
SAC147	163	140			4	0	0	43	94	0	370.1	268.8	50.7	12.1	239.5
SAC147	163	142			4	0	0	43	94	0	316.4	213.4	53.5	13.3	249.5
SAC147	163	144			4	0	0	43	94	0	286.4	217.2	56.4	14.8	261.3
SAC147	163	146			4	0	0	65	146	0	262.7	218.9	49.5	14.1	284.5
SAC147	163	148			4	0	0	65	146	0	240.7	279.5	53.6	14	262.2
SAC147	163	150	1.51	67.65	4	0	0	65	146	0	270.5	331.4	51.1	13.9	272.7
SAC147	163	152			4	0	0	65	146	0	284.5	332.1	53.3	14.4	270.1
SAC147	163	154			4	0	0	65	146	0	333.6	326.8	49.1	14.5	295.2
SAC147	163	156			4	0	0	65	146	0	318.7	307.4	43.2	12.9	299.5
SAC147	163	158			4	0	0	65	146	0	284	185.9	43.4	12.3	284.5
SAC147	163	160			4	0	0	65	146	0	241.7	219.8	43.5	12.1	277.5
SAC147	163	162			4	0	1	65	146	0	221	242.5	42.3	11.9	282.2
SAC147	163	164			4	0	0	65	146	0	252.8	268.1	42.1	11.8	280.5
SAC147	163	166			4	1	0	65	146	0	248.7	277.5	45.4	12.4	272.9
SAC147	163	168			4	0	0	65	146	0					
SAC147	163	170			4	0	0	48	105	0	263.1	195.7	61.5	6.5	105.8
SAC147	163	172			4	0	0	48	105	0	153.1	263.9	40.7	11.6	286.2
SAC147	163	174	1.23	43.7	4	0	0	48	105	0	137.9	278.6	40.1	11.8	292.8
SAC147	163	176			4	0	0	48	105	0	133.1	285.3	39.1	12	308.5
SAC147	163	178			4	0	0	48	105	0	130	299.2	39.8	12	300.1
SAC147	163	180			4	0	0	48	105	0	123.9	293.4	40.1	11.8	295.3
SAC147	163	182			4	0	0	48	105	0	139.7	254.5	38.8	12.1	311.6
SAC147	163	184			4	0	0	48	105	0	152.9	246.3	38.3	11.8	308.3
SAC147	163	186			4	0	1	48	105	0	169.1	243.3	38.7	12.1	311.6
SAC147	163	188			4	0	0	48	105	0	141	230.8	38.2	11.7	306.5
SAC147	163	190			4	0	0	48	105	0	194.9	187	37.4	12.1	323.7
SAC147	163	192			4	0	0	48	105	0	197.5	216.9	40	11.8	295.9
SAC147	163	194			4	0	0	52	101	0	170.8	208.3	38.2	11.9	311.4
SAC147	163	196			4	0	0	52	101	0	356.7	119.8	30.7	9.5	310.5
SAC147	163	198			4	0	0	52	101	0	141.2	221.8	46.1	15	326
SAC147	163	200			4	0	0	52	101	0	150.7	199.1	36.5	12	327.5
SAC147	163	202			4	0	0	52	101	0	150.6	181.4	36.9	12.1	326.4
SAC147	163	204			4	0	0	52	101	0	145.2	183.1	36.9	12.1	328
SAC147	163	206			4	0	0	52	101	0	134.8	175.8	39.5	12.2	308.4
SAC147	163	208			4	0	0	52	101	0	137.9	189.3	37.1	11.9	320.2
SAC147	163	210			4	0	0	52	101	0	166.5	152.4	36.2	12.3	338.4
SAC147	163	212			4	0	0	52	101	0	145.7	164.5	36.9	11.7	317.6
SAC147	163	214			4	0	0	52	101	0	152.1	163.4	32.8	13.7	418.9
SAC147	163	216			4	0	0	56	90	0	164.1	145	32.9	13.8	418.4
SAC147	163	218			4	0	0	56	90	0	185.2	140.7	33.4	13.8	414.1
SAC147	163	220			4	0	0	56	90	0	204.2	134.3	32.4	13.7	422.4
SAC147	163	222			4	0	0	56	90	0	222.4	136.1	32.1	13.1	408.9
SAC147	163	224			4	0	0	56	90	0	187.7	152.7	32.7	13	398.4
SAC147	163	226			4	0	0	56	90	0	129.4	124.4	31.8	12.6	397.2
SAC147	163	228			4	0	0	56	90	0	136.7	148.8	33.1	11.5	346.6
SAC147	163	230			4	0	0	56	90	0	149.4	133.8	33.7	12.4	366.5
SAC147	163	232			4	0	0	56	90	0	188	132.9	33.7	12.5	369.2
SAC147	163	234			4	0	0	56	90	0	192.5	127	33.8	12.1	357.1
SAC147	163	236			4	0	0	56	90	0	207.7	105.7	31	13.2	425.4
SAC147	163	238			4	0	0	56	90	0	175.6	84.6	29.5	12.2	412.8
SAC147	163	240			4	0	0	59	121	0	190	117.5	30.9	11.8	381.6
SAC147	163	242			4	0	0	59	121	0	155.1	118.9	29.5	12.2	412.5
SAC147	163	244			4	0	0	59	121	0	158.9	97.3	27.8	12.7	457.9
SAC147	163	246			4	0	0	59	121	0	85.9	109.3	29.7	12.2	411.4
SAC147	163	248			4	0	0	59	121	0	145.5	102.8	29.5	12.5	423.8
SAC147	163	250			4	0	0	59	121	0	201.1	85.8	31.5	12.5	396.4
SAC147	163	252			4	0	0	59	121	0	126.3	99.8	29.4	12.5	425
SAC147	163	254			4	0	0	59	121	0	161.5	89.3	30.1	12.4	411.5
SAC147	163	256			4	0	0	59	121	0	137.4	105.2	29.8	11.8	397.5
SAC147	163	258			4	0	0	59	121	0	219.6	83.4	29.4	11.2	381.3
SAC147	163	260			4	0	0	59	121	0	436	72.5	28.9	12	416.1
SAC147	163	262			4	0	0	59	121	0	287.5	95.3	30.2	11.5	381.3
SAC147	163	264			4	0	0	69	111	0	284.8	96.5	29.2	11.9	406.5
SAC147	163	266			4	0	0	69	111	0	227.8	61.1	27.5	12.4	450.4
SAC147	163	268			4	0	0	69	111	0	352.1	97.4	28.5	11.8	414
SAC147	163	270			4	0	0	69	111	0	549.8	68.1	27.1	12	444.6
SAC147	163	272			4	0	0	69	111	0	754	58	26.5	12.1	454.1

SAC147	163	274			4	0	0	69	111	0					
SAC147	163	276			4	0	0	69	111	0	507	64.4	26.4	11.6	440.8
SAC147	163	278			4	0	0	69	111	0	497.3	61.3	26	11.5	441.9
SAC147	163	280			4	0	0	69	111	0	303.6	59.2	27	11.4	422.7
SAC147	163	282			4	0	0	69	111	0	598.5	70.2	27.5	11.5	419.4
SAC147	163	284			4	0	0	69	111	0	508.2	84.1	29	11.1	382.2
SAC147	163	286			4	0	0	69	111	0	351.8	83.8	28.7	10.9	379.2
SAC147	163	288			4	0	0	69	111	0	677.1	62.9	25.8	11.1	431.8
SAC147	163	290			4	0	0	69	111	0	713.1	56.3	25.8	11.8	457.6
SAC147	163	292			4	0	0	69	111	0	625.7	57.3	25.6	11.7	454.5
SAC147	163	294			4	0	0	69	111	0	513.4	61.9	26.4	11.3	426.5
SAC147	163	296			4	1	0	69	111	0	527	58.4	24.4	11	451.8
SAC147	163	298			4	0	0	69	111	0	416.7	52.4	25.9	11.3	436.9
SAC147	163	300			4	0	0	69	111	0	410.3	61.6	25.5	11.4	445.6
SAC147	163	302			4	0	0	69	111	0	425.8	58	27.5	12.9	468.7
SAC147	163	304			4			69	111	0	498.3	53.3	10.3	4.5	434.1
SAC147	163	306			4			69	111	0	304.4	44	23.3	10.5	449.8
SAC147	163	308			4			69	111	0	291.5	44.3	23.4	10.6	451.2
SAC147	163	310			4			69	111	0	254.4	49.8	23.8	10.3	432.8
SAC147	163	312			4			50	79	0	222.4	50.9	23.3	10.1	434.5
SAC147	163	314			3			50	79	0	242.5	44.8	22.3	9.9	443.9
SAC147	163	316			3			50	79	0	202.8	49.5	21.8	9.5	435.6
SAC147	163	318			3			50	79	0	173.8	42.4	22.6	9.6	425
SAC147	163	320			3			50	79	0	171.7	41.9	24	9.5	395
SAC147	163	322			3			50	79	0	162.1	44.2	22.7	9.4	414.8
SAC147	163	324			3			50	79	0	123.7	18.4	23.7	8.5	357.6
SAC147	163	326			3			50	79	0	100.1	16.3	24.1	8.7	362.4
SAC147	163	328			3			50	79	0	151.4	46.5	23.9	10.1	421.1
SAC147	163	330			3			50	79	0	162.1	47.9	21.8	9.8	448.1
SAC147	163	332			3			50	79	0	176.6	49.1	23.8	9.6	402
SAC147	163	334			3			50	79	0	181	48.9	23	9.6	417.2
SAC147	163	336			3			60	105	0	143.3	33.8	22	9.9	448.8
SAC147	163	338			3			60	105	0	116.3	37.3	21.9	9.6	440.2
SAC147	163	340			3			60	105	0	147.9	32.8	20.6	9.6	464.9
SAC147	163	342			3			60	105	0	126.9	38.6	22	9	411.7
SAC147	163	344			3			60	105	0	92.5	41	23.6	9	382.1
SAC147	163	346			3			60	105	0	87.3	31.3	21.8	9	412.7
SAC147	163	348			3			60	105	0	123.8	34.4	22.9	8.6	374.9
SAC147	163	350			3			60	105	0	102.5	31	21.9	8.8	402.6
SAC147	163	352			3			60	105	0	125.3	26.5	24.2	9.6	398.1
SAC147	163	354			3			60	105	0	99.8	28.2	24.6	9	367.2
SAC147	163	356			3			60	105	0	83.2	24.9	22.4	8.6	384.5
SAC147	163	358			3			60	105	0	61.5	27.2	23.2	8.4	360.8
SAC147	163	360			3			50	140	0	252.6	242.5	41.7	11.7	280.4
SAC147	163	362			2			50	140	0	269.5	261.7	42.4	12	283.7
SAC147	163	364			2			50	140	0	151.2	159.4	34.3	13	380
SAC147	163	366			2			50	140	0	69.3	34	23.8	8.8	372.3
SAC147	164	0			3					0					
SAC147	164	2			2					0					
SAC147	164	4			2					0					
SAC147	164	6			2					0					
SAC147	164	8			2					0					
SAC147	164	10			2					0					
SAC147	164	12			2					0					
SAC147	164	14			2	0	0			0	134.8	13.7	22.8	7.5	329
SAC147	164	16			2	0	0			0	242	15.1	26.7	7.1	265.5
SAC147	164	18			3	1	0			0					
SAC147	164	20			3	0	0			0	201.5	13.9	22.2	7.8	353
SAC147	164	22	7.65	113.13	3	0	0			0	171	12.4	20.8	7.3	352.4
SAC147	164	24			2	0	0	49	77	0	126.4	12.3	20.9	7.4	351.4
SAC147	164	26			2	0	0	49	77	0	120.3	12.2	21.3	7.4	346.2
SAC147	164	28			2	0	0	49	77	0	76.6	10.8	19.6	7	357.6
SAC147	164	30			2	0	0	49	77	0	95.9	11.1	19	6.8	358.7
SAC147	164	32			2	1	0	49	77	0	152.7	13.2	19.7	7.5	382.2
SAC147	164	34			3	1	1	49	77	0	150.1	11.5	19.1	7.5	393.4
SAC147	164	36	6.06	6.98	3	1	0	49	77	0	164	11.9	19.3	7.5	387.3
SAC147	164	38			3	1	0	49	77	0	159.7	10.5	19.1	7.1	374.4
SAC147	164	40			3	1	1	49	77	0	149.6	10.2	18.9	7.3	388.3

SAC147	164	42			3	1	1	49	77	0	110.2	9.4	19.6	7.4	379
SAC147	164	44			3	0	0	49	77	0					
SAC147	164	46	5.24	17.19	3	0	0	49	77	0	109.6	9.8	18.9	7.1	377.8
SAC147	164	48			3	0	0	51	83	0	97.6	10	18.5	6.7	365.6
SAC147	164	50			3	1	1	51	83	0	117.6	10.9	19.3	7.2	371.8
SAC147	164	52			3	0	0	51	83	0	114.2	11.2	19.5	7.5	385.9
SAC147	164	54			3	0	0	51	83	0	78.5	10.3	19.8	7.2	361.6
SAC147	164	56			3	0	0	51	83	0	82.5	10.8	19.4	7.4	379.8
SAC147	164	58	5.55	13.18	3	0	0	51	83	0	101.3	12.5	18	7.7	428.1
SAC147	164	60			3	1	1	51	83	0	77.1	8.6	18	6.2	345.8
SAC147	164	62			3	0	0	51	83	0	43.9	7.9	18.4	6.3	342.8
SAC147	164	64			3	0	0	51	83	0	60.3	8.1	19	6.8	359.4
SAC147	164	66			3	0	0	51	83	0	46.6	9.2	18.5	6.7	362.6
SAC147	164	68			3	0	0	51	83	0	43.7	7.7	19.2	6.5	340.6
SAC147	164	70			3	0	0	51	83	0	48.6	7.7	18.5	6.7	362.1
SAC147	164	72			3	0	0	51	83	0	53.5	7.6	17.9	6	334.4
SAC147	164	74	9.8	14.39	3	0	0	51	83	0	71.7	8.7	17.1	6.1	357
SAC147	164	76			3	0	0	53	96	0	70.6	10.8	18.4	6.4	346.9
SAC147	164	78			3	0	0	53	96	0					
SAC147	164	80			3	0	0	53	96	0					
SAC147	164	82			3	0	0	53	96	0	112.4	26.3	34.5	5.8	168.5
SAC147	164	84			3	0	0	53	96	0	129.5	45.5	30.5	8.6	280.9
SAC147	164	86	4	8.02	3	0	0	53	96	0	175.5	27	22.2	8.2	370.9
SAC147	164	88			3	0	0	53	96	0	154.3	25.5	20.5	7	342.7
SAC147	164	90			3	0	0	53	96	0	128.3	24.8	26.5	7.5	280.9
SAC147	164	92			3	0	0	53	96	0	102.9	22.6	28.2	6.4	227.2
SAC147	164	94			3	0	0	53	96	0	163.7	33.4	48.3	7	146
SAC147	164	96			3	0	0	53	96	0	164.5	33.2	49.4	7	142.5
SAC147	164	98	1.63	9.12	3	0	0	53	96	0	158	29.4	49.2	6.8	138.2
SAC147	164	100			3	1	1	53	96	0	125.6	25.7	39.9	6	150.2
SAC147	164	102			4	0	1	53	96	0	115.7	26.7	42	7.2	170.6
SAC147	164	104			4	1	1	53	96	0	102.3	27.3	38.3	7.1	186.2
SAC147	164	106			4	0	0	49	105	0	103.8	27.9	37.9	6.7	176.7
SAC147	164	108			4	0	1	49	105	0					
SAC147	164	110	0.64	9.24	4	0	0	49	105	0					
SAC147	164	112			4	0	0	49	105	0					
SAC147	164	114			4	0	0	49	105	0	121.7	31.7	30	8.6	285.9
SAC147	164	116			4	0	0	49	105	0	79	31.2	29.7	7.7	260.7
SAC147	164	118			4	0	0	49	105	0	68.2	29.6	33.8	7.7	227.3
SAC147	164	120			4	0	0	48	112	0	72.7	26.8	36.2	7.8	215.5
SAC147	164	122	5.87	11.51	4	0	0	48	112	0	77.1	29.7	34.4	7.7	222.3
SAC147	164	124			4	0	0	48	112	0	76.6	30.1	34	7.4	219.2
SAC147	164	126			4	0	0	48	112	0	76.3	27.7	35.4	7	196.9
SAC147	164	128			4	0	0	48	112	0	72.8	27.7	35.3	7.1	200.9
SAC147	164	130			4	0	1	48	112	0	72	27.8	37.6	6.7	178
SAC147	164	132			4	0	1	48	112	0	85.6	28.4	36.2	6.3	172.7
SAC147	164	134	6.43	8.99	4	0	0	48	112	0	88.3	29.8	35	6.3	179.7
SAC147	164	136			4	0	0	48	112	0	104.2	30.6	37.9	6.2	163.2
SAC147	164	138			4	0	0	48	112	0	65.3	27.3	37.3	5.4	146.2
SAC147	164	140			4	0	0	48	112	0	58.9	29.4	29.5	6	204.2
SAC147	164	142			4	0	0	48	112	0	60.2	29.3	28.2	5.8	205.7
SAC147	164	144			4	0	0	45	87	0	72.8	29.7	27.8	5.6	201.6
SAC147	164	146	16.76	7.24	4	0	0	45	87	0	94.2	29.4	27.6	5.8	210.3
SAC147	164	148			4	0	0	45	87	0	96.6	30.4	26.9	6.3	233.3
SAC147	164	150			4	0	0	45	87	0	121.2	30.3	26.3	6.7	253.9
SAC147	164	152			4	0	0	45	87	0	104.5	30	24.7	6.3	254.8
SAC147	164	154			4	0	0	45	87	0	87.8	31.3	26.9	6.5	242
SAC147	164	156			4	0	0	45	87	0	83.5	31.8	26.4	6.5	245.8
SAC147	164	158	12.82	2.2	4	0	0	45	87	0	102.1	32.3	25.3	6.4	252.7
SAC147	164	160			4	0	0	45	87	0	94.1	30.9	25.7	6.2	242.2
SAC147	164	162			4	0	1	45	87	0	89.5	31.9	25.6	6.3	244.3
SAC147	164	164			4	0	0	45	87	0	91.6	31.3	25.3	6.2	244
SAC147	164	166			4	1	0	45	87	0	73.7	30.4	25.3	5.9	232.6
SAC147	164	168			4	0	0	45	87	0	115.4	28.8	25.2	6.3	252.3
SAC147	164	170	12.41	7.77	4	0	0	41	85	0	195.7	30	24.6	6.4	258.9
SAC147	164	172			4	0	0	41	85	0					
SAC147	164	174			4	0	0	41	85	0	701.1	44.4	24.8	9	364.4
SAC147	164	176			4	0	0	41	85	0	637.2	34.1	24	7.3	305.3

SAC147	164	178			4	0	0	41	85	0	484.7	31.2	24	6.7	279.5
SAC147	164	180			4	0	0	41	85	0					
SAC147	164	182	5.7	1.11	4	0	0	41	85	0	555.4	29.9	25.1	7	277.7
SAC147	164	184			4	0	0	41	85	0	579	29.9	25.4	7.2	281.5
SAC147	164	186			4	0	1	41	85	0	596.8	30.9	25.2	7.4	294.3
SAC147	164	188			4	0	0	41	85	0	541.9	29.9	25.2	7.2	285.9
SAC147	164	190			4	0	0	41	85	0	577.8	27.9	24.4	6.7	275.3
SAC147	164	192			4	0	0	41	85	0	508.4	33.4	25	7.6	305.6
SAC147	164	194	1.38	1.31	4	0	0	41	85	0	544.3	26.6	25	6.4	257.7
SAC147	164	196			4	0	0	41	85	0	574	34.8	23.4	8.4	359
SAC147	164	198			4	0	0	41	85	0	518.4	31.5	23.1	8.3	361.2
SAC147	164	200			4	0	0	41	85	0	472.6	30.3	23.5	8.3	353.4
SAC147	164	202			4	0	0	41	85	0	588.9	31.7	20.9	7.1	339.4
SAC147	164	204			4	0	0	41	85	0	494.8	33.5	22.5	7.5	334.2
SAC147	164	206	2.08	0	4	0	0	41	85	0	295.4	31.2	22.9	7.7	335.5
SAC147	164	208			4	0	0	41	85	0	315	30.3	22.4	7.1	315.8
SAC147	164	210			4	0	0	41	85	0	337.2	31.2	22.8	7.4	322.9
SAC147	164	212			4	0	0	41	85	0	303.6	33.1	23	7.1	307.6
SAC147	164	214			4	0	0	41	85	0	455.9	31.6	23.1	6.5	281.9
SAC147	164	216			4	0	0	41	85	0	432.7	48.6	22.9	8.7	378.9
SAC147	164	218	4.59	9.05	4	0	0	38	78	0	373.6	39.8	22.2	7.8	350.4
SAC147	164	220			4	0	0	38	78	0	362.9	39.7	22.9	7.4	322
SAC147	164	222			4	0	0	38	78	0	348	41.4	22.2	7.2	324.1
SAC147	164	224			4	0	0	38	78	0	254.1	38.3	22.2	7.3	329.4
SAC147	164	226			4	0	0	38	78	0	253.7	38.9	22.4	7.6	341.2
SAC147	164	228			4	0	0	38	78	0	234.7	39.5	23.2	7.8	335.4
SAC147	164	230	3.66	2.25	4	0	0	38	78	0	189.1	37.2	24.7	7.5	305.4
SAC147	164	232			4	0	0	38	78	0	242.7	35.9	23.6	7.3	310.3
SAC147	164	234			4	0	0	38	78	0	210.4	36	23.1	7.4	321.7
SAC147	164	236			4	0	0	38	78	0	205.6	34.7	23.4	7.2	308.1
SAC147	164	238			4	0	0	38	78	0	209.5	36.4	23.1	7.1	308.7
SAC147	164	240			4	0	0	38	78	0	270	37	22.6	6.5	287
SAC147	164	242	6.33	3.59	4	0	0	38	78	0	263.4	37.3	23.3	7.1	302.8
SAC147	164	244			4	0	0	38	78	0	257.8	38.8	22.9	7.4	321.1
SAC147	164	246			4	0	0	38	78	0	251.1	38	23.3	7	299.8
SAC147	164	248			4	0	0	38	78	0	233.7	38.9	22.7	7.6	337.2
SAC147	164	250			4	0	0	38	78	0	235.1	35	22.4	7.4	330.2
SAC147	164	252			4	0	0	38	78	0	242.1	36.2	21.8	7.4	340.3
SAC147	164	254	4.02	17.61	4	0	0	38	78	0	272	35.5	22	7.2	327.4
SAC147	164	256			4	0	0	38	78	0	213.5	41.8	22.4	8.4	373.6
SAC147	164	258			4	0	0	38	78	0	231.2	35.1	22.6	7.3	324
SAC147	164	260			4	0	0	38	78	0	246.6	35.1	22	7.2	326.4
SAC147	164	262			4	0	0	38	78	0	214.8	31.9	21.4	6.9	320.9
SAC147	164	264			4	0	0	38	78	0	204.9	34.1	20.6	6.8	329.3
SAC147	164	266	2.67	18.03	4	0	0	76	120	0	218.1	31.2	22	6.6	299.3
SAC147	164	268			4	0	0	76	120	0	165.1	33.1	21.7	6.5	298.8
SAC147	164	270			4	0	0	76	120	0	114.9	33.9	20.4	7	343.8
SAC147	164	272			4	0	0	76	120	0	154.4	33.3	21.1	8.1	384.7
SAC147	164	274			4	0	0	76	120	0	120.6	29.6	21.4	8	372.6
SAC147	164	276			4	0	0	76	120	0	93	28.3	21.5	7.7	356.4
SAC147	164	278	1.71	0	4	0	0	76	120	0	85.2	28.3	21.6	7.7	356.6
SAC147	164	280			4	0	0	76	120	0	91.7	33.5	23.6	9.5	401.7
SAC147	164	282			4	0	0	76	120	0	73.8	21.8	23.5	10.5	446.3
SAC147	164	284			4	0	0	76	120	0	94.9	20.3			444.4
SAC147	164	286			4	0	0	76	120	0	75.3	21.2	25.8	10.8	419
SAC147	164	288			4	0	0	76	120	0	82.9	19.2	26	10	383.7
SAC147	164	290	0.89	0	4	0	0	53	84	0	85.9	18.2	26.2	9.4	359.8
SAC147	164	292			4	0	0	53	84	0	71.5	17.7	25.9	9.3	358
SAC147	164	294			4	0	0	53	84	0	92.9	18.4	24.5	8.7	356.7
SAC147	164	296			4	1	0	53	84	0	92.7	18	25	8.6	341.8
SAC147	164	298			4	0	0	53	84	0	60	15	24.4	8.8	359.4
SAC147	164	300			4	0	0	53	84	0	57.4	14.5	24.9	8.5	339.6
SAC147	164	302	0.52	0	4	0	0	53	84	0	52.3	14.1	24.8	8.3	334.7
SAC147	164	304			4			53	84	0	60.3	15.3	25	8.7	347
SAC147	164	306			4			53	84	0	178.3	51	22.4	9.4	419
SAC147	164	308			4			53	84	0	151.9	46.9	22.9	9.8	427.8
SAC147	164	310			4			53	84	0	97	18.4	24.4	8.9	366.2
SAC147	164	312			4			53	85	0	101	19	22.9	9.3	407.6

SAC147	164	314	0	33.24	3			53	85	0	109.7	18.8	23.8	8.9	373.8
SAC147	164	316			3			53	85	0	120.4	20.7	22.6	8.6	381.7
SAC147	164	318			3			53	85	0	122.7	18.9	21.5	8.6	399
SAC147	164	320			3			53	85	0	127.9	21	22.3	8.8	394.3
SAC147	164	322			3			53	85	0	126.4	20.1	22.5	8.8	388.3
SAC147	164	324			3			53	85	0	94.7	17.1	22.5	8	355.9
SAC147	164	326	0	6.75	3			53	85	0	155.7	16.9	22.4	7.9	354.3
SAC147	164	328			3			53	85	0	147.8	15.8	20.4	7.9	390.2
SAC147	164	330			3			53	85	0	149.5	14.1	20.8	7.5	361.3
SAC147	164	332			3			53	85	0	101.3	13.4	20.5	7.9	383.6
SAC147	164	334			3			53	85	0	112.6	15.4	22.1	7.9	355.7
SAC147	164	336			3			53	85	0	134.5	14.1	23.2	7.7	332.7
SAC147	164	338	0	0	3			56	89	0	125.2	13.8	22.1	7.7	350.5
SAC147	164	340			3			56	89	0	130.5	13	22.2	7.6	343.7
SAC147	164	342			3			56	89	0	105.7	27.6	26.4	5.3	200.1
SAC147	164	344			3			56	89	0	100.3	31.8	36.7	7.3	199.6
SAC147	164	346			3			56	89	0	111.4	27.6		7.4	
SAC147	164	348			3			56	89	0	117.3	27.8		5.7	
SAC147	164	350	0	68.29	3			56	89	0	118.6	34.5	44.4	6.3	141.1
SAC147	164	352			3			56	89	0	130.5	36.5	43.9	6.1	140
SAC147	164	354			3			56	89	0	149.1	32.3	47.1	6.6	140.3
SAC147	164	356			3			56	89	0	156.3	31.3	47.1	6.5	138.7
SAC147	164	358			3			56	89	0	95.1	29.4	38.2	7.1	184.7
SAC147	164	360			3			52	95	0	77.6	32.6	28.6	6.3	221.6
SAC147	164	362	0	51.44	2			52	95	0	90.5	30.3	27.3	5.8	213.5
SAC147	164	364			2			52	95	0	299.5	28.8	22.9	7.4	322.5
SAC147	164	366			2			52	95	0	165	14.8	22.3	7.8	348.2
SB164	130	0			3	0	0			0					
SB164	130	2			3	0	0			0					
SB164	130	4			3	0	0			0					
SB164	130	6			3	0	0			0					
SB164	130	8			3	0	0			0					
SB164	130	10			3	0	0			0					
SB164	130	12			3	0	0			0					
SB164	130	14			3	0	0			0					
SB164	130	16			3	0	0			0					
SB164	130	18			3	0	0			0					
SB164	130	20			3	0	0			0					
SB164	130	22			3	0	0			0					
SB164	130	24			3	0	0			0					
SB164	130	26			3	0	0			0					
SB164	130	28			3	0	0			0					
SB164	130	30			3	0	0			0					
SB164	130	32			3	0	0			0					
SB164	130	34			3	0	0			0	97.1	105.1	27.3	5.8	213.6
SB164	130	36			3	0	0			0	76.1	114	25.8	5.5	213.7
SB164	130	38	17.68		3	0	0			0	71.4	97.3	29.6	6.2	210.5
SB164	130	40			3	0	0			0	52.9	90.4	27.7	5.2	189
SB164	130	42			3	0	0			0	44.7	85.7	26.2	4.4	169.3
SB164	130	44			3	0	0			0	37.8	68.1	25	3.8	151.4
SB164	130	46			3	0	0			0	40.1	60.9	23.8	3.8	158.4
SB164	130	48			3	0	0			0	25.5	38.5	21	4.4	207.9
SB164	130	50	3.04		3	0	0			0	25.6	49.4	22.7	4.3	188.4
SB164	130	52			3	0	0			0	27.9	34.7	20.2	4.3	212.7
SB164	130	54			3	0	0			0	44.3	37.5	19.8	4.8	243.3
SB164	130	56			3	0	0			0	78.4	28	18.4	4.2	228.8
SB164	130	58			3	0	0			0					
SB164	130	60			3	0	0			0	89.7	28.3	19	4.3	225.4
SB164	130	62			3	0	0			0	98.1	28.5	19.2	4.2	217.7
SB164	130	64			3	0	0			0	98.2	24.8	19.2	4.3	223.8
SB164	130	66			3	0	0			0	101.8	43.5	21.7	5	231.5
SB164	130	68	1.74		3	0	0			0	102.2	46.7	21.8	4.8	218.5
SB164	130	70			3	0	0			0	99.7	45.6	22.2	4.3	191.5
SB164	130	72			3	0	0			0	80	27.3	20.9	3.9	187.3
SB164	130	74			3	0	0			0	95.9	36.8	21.8	2.9	134.9
SB164	130	76			3	0	0			0	49.3	14.2	18.6	4.5	243.8
SB164	130	78			3	0	0			0	81.5	40.4	20.7	4.5	219.3
SB164	130	80	1.22		3	0	0			0	92	45.2	20.9	4.6	219.5

SB164	130	82		3	0	0			0	191.2	36.7	21.6	3.8	176.5
SB164	130	84		3	0	0			0	159.5	42.4	21.4	4.2	194.5
SB164	130	86		3	0	0			0	161.2	37.9	21.2	4.1	194.4
SB164	130	88		3	0	0			0	177.5	32.2	21.8	3.8	174.6
SB164	130	90		3	0	0			0	188.5	34.8	22.8	4	176.6
SB164	130	92	1.67	3	0	0			0	198.2	39.3	23.1	3.5	151.4
SB164	130	94		3	0	0	52	92	0	198.7	34.5	21.3	3.7	171.6
SB164	130	96		3	0	0	52	92	0	159.1	38.9	23.4	3.7	157.1
SB164	130	98		3	0	0	52	92	0	61.6	21.8	20.7	4.2	201.1
SB164	130	100		3	0	0	52	92	0	113.4	24.2	21.8	4.5	207.3
SB164	130	102		3	0	0	52	92	0	170.3	26.8	21.3	4.7	219.3
SB164	130	104	0.88	3	0	0	52	92	0	130.1	25.2	22.2	4.8	215.4
SB164	130	106		3	0	0	52	92	0	107.9	24.5	21.7	4.3	197
SB164	130	108		3	0	0	52	92	0	92	27.6	22.2	4.4	195.9
SB164	130	110		2	0	0	52	92	0	98.4	30.2	21.6	4.3	197
SB164	130	112		2	0	0	52	92	0	112.5	29.4	23.1	4.4	192
SB164	130	114		2	0	0	52	92	0	101.7	27.1	26.4	5.2	195.1
SB164	130	116	1.23	2	0	0	52	92	0	77.3	18.1	23	4.9	213.6
SB164	130	118		2	0	0	52	92	0	63.4	32.4	25.7	4.9	191.3
SB164	130	120		2	0	0	52	92	0	46.3	20.8	22.8	5.1	225.7
SB164	130	122		2	0	0	52	92	0	47.9	26.4	23.5	3.9	166.5
SB164	130	124		2	0	0	52	92	0	36.9	27.7	22.7	4	177.5
SB164	130	126		2	0	0	97	163	0	32	29.7	24.1	3.6	149.9
SB164	130	128	0.59	2	0	0	97	163	0	30.9	27.3	22.8	3.2	140.7
SB164	130	130		2	0	0	97	163	0	43.9	27.5	24.5	3.8	153.9
SB164	130	132		2	0	0	97	163	0	27.8	31.1	23	5.2	225.2
SB164	130	134		2	0	0	97	163	0	22.4	32.1	23.2	4.6	197.4
SB164	130	136		2	0	0	97	163	0	27.3	25.6	25.9	5.1	196.7
SB164	130	138		2	0	0	97	163	0	22.1	24.6	25.2	4.8	192.1
SB164	130	140	1.06	2	0	0	97	163	0	25.6	24.3	28	5.2	184.1
SB164	130	142		2	0	0	116	187	0	20.2	25.9	27.4	5	182.7
SB164	130	144		2	0	0	116	187	0	18.5	25.8	26.1	4.4	168
SB164	130	146		2	0	0	116	187	0	11.1	25.2	29.7	5.1	170.7
SB164	130	148		2	0	0	116	187	0	34.8	32	25.9	5.4	210
SB164	130	150		2	0	0	116	187	0	45	33.6	25.6	4.8	189.5
SB164	130	152	1.35	2	0	0	116	187	0	35.8	21.6	25.6	5	194
SB164	130	154		2	0	0	116	187	0	34.8	23	23.7	5.5	230.6
SB164	130	156		2	0	0	116	187	0	47.9	25.3	23	5.7	246
SB164	130	158		2	0	0	116	187	0	37.4	24.9	20.4	4.7	232.4
SB164	130	160		2	0	0	116	187	0	34	25.9	24	4.8	198.8
SB164	130	162		2	0	0	116	187	0	36.2	32.1	25.6	4.8	188.1
SB164	130	164	0	2	0	0	116	187	0	30	32.3	24.8	4.7	188.2
SB164	130	166		2	0	0	116	187	0	29	33.5	24.3	5.8	240.8
SB164	130	168		2	0	0	116	187	0	19.9	29.8	22.4	5.6	248.5
SB164	130	170		2	0	0	44	78	0	21.2	27.9	19.9	4.2	209.4
SB164	130	172		2	0	0	44	78	0	18.5	60.3	19.7	3.9	196.6
SB164	130	174		2	0	0	44	78	0	22.3	28.8	21.6	4.4	202.1
SB164	130	176	0	2	0	0	44	78	0	23.7	26.1	22.1	4.5	205
SB164	130	178		2	0	0	44	78	0	11.3	23.4	21.7	4.5	207.2
SB164	130	180		3	0	0	44	78	0	11.5	25.2	22.8	4.8	209
SB164	130	182		3	0	0	44	78	0	18.2	28.6	20.9	4.6	220
SB164	130	184		3	0	0	44	78	0	31.6	27.3	22.4	4	180
SB164	130	186		3	0	0	44	78	0	20.3	28.9	20.8	4.2	200.3
SB164	130	188	0	3	0	0	44	78	0	20.9	25	19.6	4.5	231
SB164	130	190		3	0	0	123	208	0	28.4	26.2	19.6	4.6	233.2
SB164	130	192		3	0	0	123	208	0	19.5	18.4	20.3	4.8	237.6
SB164	130	194		3	0	0	123	208	0	16.1	12.5	18.7	5.1	274
SB164	130	196		2	0	0	123	208	0	15.6	12.1	20.9	5.9	283
SB164	130	198		2	0	0	123	208	0	19.9	13.2	19.2	5	263.1
SB164	130	200	0	2	0	0	123	208	0	62.6	15.7	19.7	5.7	291.3
SB164	130	202		2	0	0	123	208	0	75.5	9.2	19.4	5.2	265.5
SB164	130	204		2	0	0	123	208	0	50.1	9.7	21.1	5.6	265.1
SB164	130	206		2	0	0	123	208	0	31.8	16.3	20.6	6.1	295.5
SB164	130	208		2	0	0	123	208	0	52.6	14.3	22.4	6.4	284.8
SB164	130	210		2	0	0	123	208	0	86.3	13.7	22.1	5.3	240.9
SB164	130	212	0	2	0	0	123	208	0	35.1	14.3	22.2	5.8	260.7
SB164	130	214		2	0	0	129	210	0	87.5	13.3	22.8	6.3	274.3
SB164	130	216		2	0	0	129	210	0	146.4	12.6	21.8	6.4	291.2

SB164	130	218		2	0	0	129	210	0	273.7	12.5	22.5	6.2	276
SB164	130	220		2	0	0	129	210	0	186	12	23.3	6.3	269.7
SB164	130	222		2	0	0	129	210	0	147.1	10.9	22.8	6.4	282.5
SB164	130	224	0	2	0	0	129	210	0	234	11.5	22.2	6.9	312.9
SB164	130	226		2	0	0	129	210	0	107.6	29.2	27.2	7.7	282.3
SB164	130	228		2	0	0	129	210	0	31	17	26.4	6.5	246.1
SB164	130	230		2	0	0	129	210	0	14.7	15.9	24.6	6.8	275.3
SB164	130	232		2	0	0	129	210	0	11.5	14.5	25.3	6.1	241.9
SB164	130	234		2	0	0	129	210	0	11	13.8	25.1	6.1	243.5
SB164	130	236	0.78	2	0	0	129	210	0	11.6	14.3	23.8	6.3	264.9
SB164	130	238		2	0	0	95	168	0	85.7	12.8	22.4	6.6	295.9
SB164	130	240		2	0	0	95	168	0	16.8	10.3	23.5	6.2	265.6
SB164	131	0		3	0	0			0					
SB164	131	2		3	0	0			0					
SB164	131	4		3	0	0			0					
SB164	131	6		3	0	0			0					
SB164	131	8		3	0	0			0					
SB164	131	10		3	0	0			0					
SB164	131	12		3	0	0			0					
SB164	131	14		3	0	0			0					
SB164	131	16		3	0	0			0					
SB164	131	18		3	0	0			0					
SB164	131	20		3	0	0			0					
SB164	131	22		3	0	0			0					
SB164	131	24		3	0	0			0					
SB164	131	26		3	0	0			0					
SB164	131	28		3	0	0			0					
SB164	131	30		3	0	0			0					
SB164	131	32		3	0	0			0					
SB164	131	34		3	0	0			0	63.2	76.5	22	3.9	177.7
SB164	131	36		3	0	0			0	70	78.3	28.1	5.1	182.3
SB164	131	38		3	0	0			0	75.7	65.9	27.2	5.7	209.5
SB164	131	40		3	0	0			0	87.1	58.7	26.4	5.5	208.8
SB164	131	42		3	0	0			0	77.9	46.8	24.3	4.3	176.3
SB164	131	44		3	0	0			0	73.5	42.4	25.5	4.3	169.9
SB164	131	46		3	0	0			0	73.2	34.3	25.9	4.7	182.6
SB164	131	48		3	0	0			0	106.6	30.5	23.4	6.8	291.4
SB164	131	50		3	0	0			0	95.6	30.7	22.3	6.9	308.7
SB164	131	52		3	0	0			0	95.3	28.8	21.6	5.3	245.3
SB164	131	54		3	0	0			0	87.1	43.8	20.5	7	340.6
SB164	131	56		3	0	0			0	92.6	34.1	18.8	5.8	306.7
SB164	131	58		3	0	0			0					
SB164	131	60		3	0	0			0	98	25.6	20.3	3.9	190.2
SB164	131	62		3	0	0			0	135	20.7	27.6	4.3	157.2
SB164	131	64		3	0	0			0	146.3	20	27.2	4.4	162.3
SB164	131	66		3	0	0			0	150.4	19.2	27.6	4.6	165.5
SB164	131	68		3	0	0			0	153.3	19.1	27.1	4.7	172.7
SB164	131	70		3	0	0			0	153.7	18.3	27.6	4.5	163.4
SB164	131	72		3	0	0			0	161.5	19.8	25.7	3.7	144
SB164	131	74		3	0	0			0	208.1	16.1	24.7	2.6	106.5
SB164	131	76		3	0	0			0	188.2	26.6	26.2	3.8	144.2
SB164	131	78		3	0	0			0	245.9	17.2	27.6	4.5	162.5
SB164	131	80		3	0	0			0	282	16	27.1	4.4	161.9
SB164	131	82		3	0	0			0	363.8	16.4	27.5	4.1	149.3
SB164	131	84		3	0	0			0	384.2	18	28	3.8	135.3
SB164	131	86		3	0	0			0	338.5	15.1	27.4	4.2	154.4
SB164	131	88		3	0	0			0	329	15.2	26.8	4.2	157.1
SB164	131	90		3	0	0			0	322.2	22.1	26.6	4	150.8
SB164	131	92		3	0	0			0	287.1	22.6	25.3	3.6	141.4
SB164	131	94		3	0	0	99	159	0	387.4	18.8	24.1	3.6	148.2
SB164	131	96		3	0	0	99	159	0	341.5	19.5	24.7	3.6	143.6
SB164	131	98		3	0	0	99	159	0	200.8	22.3	24.4	4.7	192.6
SB164	131	100		3	0	0	99	159	0	345.4	24.6	24.5	4.6	189.1
SB164	131	102		3	0	0	99	159	0	380.3	21.4	24.1	4.2	174.8
SB164	131	104	1.42	3	0	0	99	159	0	302.6	22	25	4.5	179.3
SB164	131	106		3	0	0	99	159	0	277.2	19.7	23.7	4.2	178.7
SB164	131	108		3	0	0	99	159	0	269.5	19.1	24.7	4.3	175.4
SB164	131	110		2	0	0	99	159	0	289.2	21.2	23.8	3.7	156.7

SB164	131	112		2	0	0	99	159	0	324.4	21.7	24.7	4.1	166.1
SB164	131	114		2	0	0	99	159	0	371	25.4	27.1	4.6	169.9
SB164	131	116	2.03	2	0	0	99	159	0	329.4	23.8	25.5	4.5	178.1
SB164	131	118		2	0	0	99	159	0	264.3	32.3	28.4	4.7	164.5
SB164	131	120		2	0	0	99	159	0	245.4	25.5	26.2	4.3	164.5
SB164	131	122		2	0	0	99	159	0	223.7	25.8	26.9	3.8	139.5
SB164	131	124		2	0	0	99	159	0	169.5	22	27.5	3.7	136.4
SB164	131	126	1.41	2	0	0	99	159	0	136.9	24.5	24.8	3.3	132.1
SB164	131	128		2	0	0	96	156	0	138.7	24.4	23.5	2.7	113.6
SB164	131	130		2	0	0	96	156	0	181.2	26.2	25.4	2.8	108.4
SB164	131	132		2	0	0	96	156	0	149.9	25	28.5	4.9	171.1
SB164	131	134		2	0	0	96	156	0	136.2	27.6	31.1	5.1	164.6
SB164	131	136	1.56	2	0	0	96	156	0	142.7	21.3	32.8	4.8	147.8
SB164	131	138		2	0	0	96	156	0	146.6	23.5	30.9	4.8	155.2
SB164	131	140		2	0	0	96	156	0	133.1	24.1	37.1	4.9	132.2
SB164	131	142	1.22	2	0	0	103	166	0	132.7	24.6	35.2	4.7	132.4
SB164	131	144		2	0	0	103	166	0	134.8	23.7	32.4	4.5	137.7
SB164	131	146		2	0	0	103	166	0	152.7	38.9	28.2	4.3	152.5
SB164	131	148	2.8	2	0	0	103	166	0	228.3	33.5	32.9	4.3	131.6
SB164	131	150		2	0	0	103	166	0	223.8	34	36.1	4.5	125.8
SB164	131	152		2	0	0	103	166	0	149.3	35.1	31.3	4.7	150.9
SB164	131	154	2.14	2	0	0	103	166	0	161.4	38.5	31.9	5.2	164.2
SB164	131	156		2	0	0	103	166	0	166	40.7	30.4	5.1	167.1
SB164	131	158		2	0	0	103	166	0	174	33.6	28.4	4.2	147.2
SB164	131	160	1.84	2	0	0	103	166	0	142.4	33.3	28.5	4.2	146.4
SB164	131	162		2	0	0	103	166	0	139.4	39.1	29.6	4	134.7
SB164	131	164		2	0	0	103	166	0	134.7	35.8	31	4	129.3
SB164	131	166	2.03	2	0	0	103	166	0	123	44.1	26.1	5	192.6
SB164	131	168		2	0	0	103	166	0	132.8	40.3	22.7	4.5	196.6
SB164	131	170		2	0	0	44	80	0	120	36.1	22	3.9	175.9
SB164	131	172		2	0	0	44	80	0	113.5	35.4	21.4	3.3	155.5
SB164	131	174		2	0	0	44	80	0	122	40.1	23.1	3.5	151.3
SB164	131	176		2	0	0	44	80	0	109.3	36.4	21.7	3.9	180.6
SB164	131	178		2	0	0	44	80	0	95	38.1	21.2	4	187.6
SB164	131	180		3	0	0	44	80	0	89.2	39.3	18.8	3.6	193.3
SB164	131	182		3	0	0	44	80	0	103.2	39.9	20.7	4	190.6
SB164	131	184		3	0	0	44	80	0	121	44.8	20.5	3.4	165.9
SB164	131	186		3	0	0	44	80	0	130	42.3	20.5	3.5	170.8
SB164	131	188		3	0	0	44	80	0	130.1	41.8	19.3	3.6	186.6
SB164	131	190		3	0	0	91	140	0	126.3	46.4	20.2	4	199.6
SB164	131	192		3	0	0	91	140	0	104.4	41.2	20.7	4.1	196.6
SB164	131	194		3	0	0	91	140	0	124.2	52.8	20.9	4	193.7
SB164	131	196		2	0	0	91	140	0	136.9	45.3	19.2	3.4	176.6
SB164	131	198		2	0	0	91	140	0	166.3	50	18.2	3	163.7
SB164	131	200		2	0	0	91	140	0	198.8	48.4	19.9	3.7	183.8
SB164	131	202		2	0	0	91	140	0	178.5	39.5	20.1	4.1	206
SB164	131	204		2	0	0	91	140	0	163.5	41.8	19.2	4.5	232.5
SB164	131	206		2	0	0	91	140	0	222.6	37.2	20.7	4.1	199.5
SB164	131	208		2	0	0	91	140	0	196.9	36.8	21.2	4.1	192.1
SB164	131	210		2	0	0	91	140	0	187	40.2	20.1	3.2	160.7
SB164	131	212		2	0	0	91	140	0	168.9	37.1	21.7	3.6	166.2
SB164	131	214		2	0	0	78	139	0	255	35.5	24.7	4.7	189.9
SB164	131	216		2	0	0	78	139	0	181.6	31.7	22.9	4.4	190.7
SB164	131	218		2	0	0	78	139	0	208.7	28.7	22.9	4.6	199
SB164	131	220		2	0	0	78	139	0	296.2	29	25	4.7	189.1
SB164	131	222		2	0	0	78	139	0	247	36.6	24	5.2	214.8
SB164	131	224		2	0	0	78	139	0	418.2	36	24.6	5.2	211.3
SB164	131	226		2	0	0	78	139	0	308	31.7	25.3	5	198.1
SB164	131	228		2	0	0	78	139	0	165.9	33.5	23.3	5	212.3
SB164	131	230		2	0	0	78	139	0	170.6	30.6	23.7	5.3	222.8
SB164	131	232		2	0	0	78	139	0	149	27	25	5.4	216.1
SB164	131	234		2	0	0	78	139	0	102.8	30.9	22.8	5.4	235.7
SB164	131	236		2	0	0	78	139	0	110.9	26.9	22.4	5.7	255.3
SB164	131	238		2	0	0	94	153	0	163.1	30.4	22.3	5.5	249.3
SB164	131	240		2	0	0	94	153	0	173.3	27.5	22.3	4.9	220.2
SE152	165	0												
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SE152	165	50											
SE152	165	52											
SE152	165	54											
SE152	165	56											
SE152	165	58											
SE152	165	60		4			0						
SE152	165	62		4			0						
SE152	165	64		4			0						
SE152	165	66		4			0						
SE152	165	68		4			0						
SE152	165	70		4	1	1	0						
SE152	165	72		4	1	1	0						
SE152	165	74		4	1	1	0						
SE152	165	76		4	1	1	0						
SE152	165	78		4	1	1	0	1910.2	600.3	291.5	13	44.7	
SE152	165	80		4	1	1	0	1830.3	597		11.8		
SE152	165	82	3.52	4	1	1	0	1770.2	584.7		12.4		
SE152	165	84		8	1	1	0	1892	583.8		13		
SE152	165	86		8	1	1	0	1730.2	527.8	200.9	12.3	61	
SE152	165	88		8	1	1	0	1738.1	508.5	152.2	12.2	80.4	
SE152	165	90		8	1	1	0	1703.5	487.9	136.9	12.3	89.7	
SE152	165	92		8	1	1	0	1783.4	484.4	142.6	13.1	92.2	
SE152	165	94	3.41	8	1	1	0	1768.1	577.8		13.7		
SE152	165	96		8	1	1	0	1857.1	633.3		13.3		
SE152	165	98		8	1	1	0	1926.9	668.6		12.3		
SE152	165	100		8	1	1	0	1943.5	669.3		12.3		
SE152	165	102		8	1	1	0	2013.2	676.9		12.2		
SE152	165	104		8	1	1	0	2088.8	682.9		12		
SE152	165	106	3.78	8	1	1	0	2165.3	722.6	1205.3	12.1	10	
SE152	165	108		8	1	1	0	2182.9	722.9		11.7		
SE152	165	110		8	1	1	0	2013	721.5		10.3		
SE152	165	112		8	1	1	0	2273.1	709		12		
SE152	165	114		8	1	1	0	2353.1	710.1		11.6		
SE152	166	0											
SE152	166	2											
SE152	166	4											
SE152	166	6											
SE152	166	8											
SE152	166	10											
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SE152	166	50														
SE152	166	52														
SE152	166	54														
SE152	166	56														
SE152	166	58														
SE152	166	60			4					0						
SE152	166	62			4					0						
SE152	166	64			4					0						
SE152	166	66			4					0						
SE152	166	68			4					0						
SE152	166	70			4	1	1			0						
SE152	166	72			4	1	1			0						
SE152	166	74			4	1	1			0						
SE152	166	76			4	1	1			0						
SE152	166	78			4	1	1			0	887.2	18.7	27.6	8.8	320.8	
SE152	166	80			4	1	1			0	771	27.8	37.7	12.6	334.7	
SE152	166	82	4.01		4	1	1			0	1002.3	48.5	37.6	15	399.7	
SE152	166	84			8	1	1			0	1102.5	20.6	34	15	441.8	
SE152	166	86			8	1	1			0	1135.1	15.6	34.7	14	403.4	
SE152	166	88			8	1	1			0	1125.6	19	38.3	14.2	371.2	
SE152	166	90			8	1	1			0	1258.1	47.6	51.7	15	290.8	
SE152	166	92			8	1	1			0	1324.1	97.4	88.1	16.2	183.8	
SE152	166	94	2.8		8	1	1			0	1349.7	489.3	737	16.7	22.7	
SE152	166	96			8	1	1			0	1496.6	650.8	383.7	15.1	39.3	
SE152	166	98			8	1	1			0	1532.2	686.5		12.7		
SE152	166	100			8	1	1			0	1819.8	690.1	1431.7	14.3	10	
SE152	166	102			8	1	1			0	1881.2	696.5		13.7		
SE152	166	104			8	1	1			0	1987.4	700.5		13.4		
SE152	166	106	4.16		8	1	1			0	2200.3	743.7	1241.3	14.2	11.4	
SE152	166	108			8	1	1			0	2381.8	746.8		14.6		
SE152	166	110			8	1	1			0	2278.6	745.5		13.1		
SE152	166	112			8	1	1			0	2525	721.9		14.4		
SE152	166	114			8	1	1			0	2499.2	723.6		14.2		
SH144	75	0			1					0						
SH144	75	1			1					0						
SH144	75	3			2					0						
SH144	75	5			3					0						
SH144	75	7			3					0						
SH144	75	9			3	0	0			0						
SH144	75	11			3	0	0			0						
SH144	75	13			3	0	0			0						
SH144	75	15			2	0	0			0						
SH144	75	17			2	0	0			0						
SH144	75	19			2	0	0			0						
SH144	75	21			2	0	1			0						
SH144	75	23			2	0	0			0	161.6	52	23.6	5.4	228.4	
SH144	75	25			2	0	0			0	191.2	55.3	23.5	5.6	240.1	
SH144	75	27			2	0	0			0	203.4	44.7	24.4	5	206.5	
SH144	75	29	5.34	326.64	2	0	0			0	206.1	31.7	24.8	4.3	174.7	
SH144	75	31			2	0	0			0	207.5	34.4	23.8	5.1	215.9	
SH144	75	33			2	0	0			0	211.7	28.7	23.4	5.1	216.4	
SH144	75	35			2	0	0	65	112	0	197.1	26	22.7	3.9	170.2	
SH144	75	37			2	0	0	65	112	0	181.5	32.3	22.7	3.9	171.3	
SH144	75	39			2	0	0	65	112	0	189.5	28	24.8	3.5	140	
SH144	75	41			2	0	0	65	112	0	183.3	24.6	23.7	3	124.8	
SH144	75	43			2	0	0	65	112	0	185.6	30.2	23.1	3.6	157.1	

SH144	75	45			2	0	0	65	112	0	160.6	28	24.3	3.5	143.4
SH144	75	47			2	0	0	65	112	0	173.5	29.2	25.3	3.9	155.2
SH144	75	49			2	0	0	65	112	0	138.6	25.1	24	3.6	148.9
SH144	75	51			2	0	0	65	112	0	161.7	10.6	21.1	1.6	75.9
SH144	75	53			2	0	0	65	112	0	142.5	22.6	24.2	2.9	120.6
SH144	75	55	2.02	258.5	2	0	0	65	112	0	144.2	23.2	24.8	3.1	123.7
SH144	75	57			2	0	0	65	112	0	117.4	22.8	25.1	3.3	131.1
SH144	75	59			2	0	0	79	138	0	110.5	17.8	22.4	2.9	129.7
SH144	75	61			2	0	0	79	138	0	100.7	10.8	17.5	2	112.9
SH144	75	63			2	0	0	79	138	0	94.7	20.1	24.8	3.3	135
SH144	75	65			2	0	0	79	138	0	136.4	14.6	26.9	2.6	97.9
SH144	75	67	1.09	268.92	2	0	0	79	138	0	75.4	16.9	27	3.4	126
SH144	75	69			2	0	0	79	138	0	89.5	20.7	23.4	3.8	163.5
SH144	75	71			2	0	0	79	138	0	110.1	30	21.5	3.9	179.9
SH144	75	73			2	0	0	79	138	0	88.9	16.3	28.9	3.2	112.1
SH144	75	75			2	0	0	79	138	0	97.3	21.5	25.2	3.5	137.8
SH144	75	77			2	0	0	79	138	0	115.5	18.4	26.3	3.6	135.8
SH144	75	79	1.65	132.95	2	0	0	79	138	0	75	19.8	22.5	3.8	168.2
SH144	75	81			2	0	0	100	168	0	98.9	24.9	25	3.7	148.4
SH144	75	83			2	0	0	100	168	0	81.2	24.8	24.5	4.5	182.7
SH144	75	85			2	0	0	100	168	0					
SH144	75	87			2	0	0	100	168	0					
SH144	75	89			2	0	0	100	168	0					
SH144	75	91			2	0	0	100	168	0					
SH144	75	93			2	0	0	100	168	0					
SH144	75	95			2	0	0	100	168	0					
SH144	75	97			2	0	0	100	168	0					
SH144	75	99			2	0	0	100	168	0					
SH144	75	101			2	0	0	100	168	0					
SH144	75	103			2	0	0	100	168	0					
SH144	75	105			2	0	0	100	168	0					
SH144	75	107			2	0	0	135	197	0					
SH144	75	109			2	0	0	135	197	0	540.8	8.5	28.1	1.5	54.3
SH144	75	111			2	0	0	132	200	0	161.9	18.3	27.4	4.8	175.8
SH144	75	113			2	0	0	132	200	0	83	19.6	23.1	5.1	219.2
SH144	75	115	1.13	332.2	2	0	0	132	200	0	71.9	16.7	26.5	5.7	214.7
SH144	75	117			2	0	0	132	200	0	92.8	19	24.8	5.3	214.6
SH144	75	119			2	0	0	132	200	0	83.1	20.9	25.5	5.7	223.2
SH144	75	121			2	0	0	132	200	0	83.9	19.1	26.6	5.3	200.5
SH144	75	123			2	0	0	132	200	0	134.5	23.2	26.8	5.4	200.2
SH144	75	125			2	0	0	132	200	0	121.4	25.1	27.3	5.6	203.2
SH144	75	127			2	0	0	132	200	0	384.6	29.7	24.5	5.1	208.7
SH144	75	129			2	0	0	67	108	0	375.3	28.8	26.9	4.5	168.7
SH144	75	131			2	0	0	67	108	0	423	26.6	24.9	5.4	217.8
SH144	75	133			2	0	0	67	108	0	683.2	26.9	27	6.5	241.1
SH144	75	135			2	0	0	67	108	0	524	32.4	26.8	6.3	233.7
SH144	75	137			2	0	0	67	108	0	359.7	26.5	27.7	6.8	245
SH144	75	139	0.75	49.9	2	0	0	67	108	0	410.5	24.4	25.1	6.2	248.6
SH144	75	141			2	0	0	67	108	0	476.8	27.5	24.7	6.5	262
SH144	75	143			2	0	0	67	108	0	502.8	27.6	24.9	7.4	298.1
SH144	75	145			2	0	0	67	108	0	620.1	23.5	25.5	7.1	279
SH144	75	147			2	0	0	67	108	0	230.8	15	25.4	6.5	256
SH144	75	149			2	0	0	67	108	0	1650.1	19.6	29.7	6.5	217.8
SH144	75	151	0.4	165.13	2	0	0	67	108	0	2254.5	9.8	27.9	7.6	271.4
SH144	75	153			2	0	0	67	108	0	2230.4	4.2	27.4	7.6	278
SH144	75	155			2	0	0	72	122	0	1839.1	3.1	27.5	7.3	266.6
SH144	75	157			2	0	0	72	122	0	2313.5	3	29.5	8	270.2
SH144	75	159			2	0	0	72	122	0	2843.1	3.7	32.4	9.5	292.9
SM171	140	0			2					0					
SM171	140	2			3					0					
SM171	140	4			2					0					
SM171	140	6			2					0					
SM171	140	8			2					0					
SM171	140	10			2					0					
SM171	140	12			2					0					
SM171	140	14			2					0					
SM171	140	16			2					0					
SM171	140	18			2					0					

SM171	140	20		2			0					
SM171	140	22		2			0					
SM171	140	24		2			0					
SM171	140	25		2			0					
SM171	140	26		2			0					
SM171	140	28		2			0					
SM171	140	30		2			0	28.4	46.2	20.4	4.1	201.1
SM171	140	32		2			0	23.6	35.3	18.5	3	159.6
SM171	140	34	1.78	2			0	22.4	26.4	17.7	2.7	151.5
SM171	140	36		2			0	29.5	24.3	17.9	2.4	134.7
SM171	140	38		2			0	28.8	23.7	21.1	3.9	183.3
SM171	140	40	0.01	2			0	34.4	33	18.9	4	209.8
SM171	140	42		2			0	54.8	55.3	19.9	3.7	187.9
SM171	140	44		2			0	104.5	47.1	23.3	4.7	200.4
SM171	140	46	2.67	2			0	91.9	55.7	22.3	5	224.2
SM171	140	48		2			0	111	53.7	24.4	6.5	265.9
SM171	140	50		2			0	90.9	50.3	22.3	6.4	286.5
SM171	140	52	0.2	2			0	112.2	51.6	20	4.7	232.1
SM171	140	54		2			0	171	51.5	20.3	4.2	204.7
SM171	140	56		2	60	104	0	179.8	54.8	19.5	3.3	170.6
SM171	140	58	1.21	2	60	104	0	179.4	50.2	21.4	3.4	157.2
SM171	140	60		2	56	89	0	168.4	59.1	22.6	4.2	187.4
SM171	140	62		2	56	89	0	216.1	55.5	20.3	2.8	140.4
SM171	140	64	0.19	2	56	89	0	152.2	78.5	23.7	4.7	199.3
SM171	140	66		2	56	89	0	202.6	54.1	22.7	3.8	164.9
SM171	140	68	1.02	2	56	89	0	212.5	68.5	24.9	4	159.3
SM171	140	70		2	56	89	0	162.4	84.2	26.4	4.8	180.5
SM171	140	72		2	56	89	0	191.6	61.4	26.2	4.9	188.5
SM171	140	74		2	56	89	0	111.8	64.5	24	7	291.3
SM171	140	76	0.34	2	56	89	0	163.4	49.3	23.8	5.8	242
SM171	141	0		2			0					
SM171	141	2		3			0					
SM171	141	4		2			0					
SM171	141	6		2			0					
SM171	141	8		2			0					
SM171	141	10		2			0					
SM171	141	12		2			0					
SM171	141	14		2			0					
SM171	141	16		2			0					
SM171	141	18		2			0					
SM171	141	20		2			0					
SM171	141	22		2			0					
SM171	141	24		2			0					
SM171	141	25		2			0					
SM171	141	26		2			0					
SM171	141	28		2			0					
SM171	141	30		2			0	72.5	86.6	34.9	6.8	194.3
SM171	141	32		2			0	79.8	64.7	30.7	6.2	203.2
SM171	141	34	8.27	2			0	87	54	30.9	5.7	185.7
SM171	141	36		2			0	98.3	45.5	28.1	5.6	199.7
SM171	141	38		2			0	103.6	75.4	26.3	5.2	199.2
SM171	141	40		2			0	112.1	42.9	25.1	5.4	214.1
SM171	141	42		2			0	137.9	41.8	31.6	8.4	265.3
SM171	141	44		2			0	197.5	66	33.3	8.2	245.3
SM171	141	46	2.37	2			0	192	61.5	32.3	8.1	250.9
SM171	141	48		2			0	157.4	38.9	31.1	8	256.2
SM171	141	50		2			0	136.8	19	25.7	7.8	303.9
SM171	141	52		2			0	149	17.8	23.8	7.1	298.3
SM171	141	54		2			0	138.9	14.1	28.2	7.8	275.3
SM171	141	56		2			0	176.7	30.2	30.2	8.1	269.2
SM171	141	58	1.08	2			0	175.8	31.5	28.1	7.7	272.9
SM171	141	60		2	54	113	0	152.9	30	26.1	7.4	283.1
SM171	141	62		2	54	113	0	161.9	19.9	24.8	6.3	253.2
SM171	141	64		2	54	113	0	160.8	13.8	25.9	8.7	337.2
SM171	141	66		2	54	113	0	187.9	15.5	27.2	9.6	351.9
SM171	141	68	0.88	2	54	113	0	203.9	16.4	26.9	9.2	341.8
SPO152	132	0		3								
SPO152	132	2		3								

SPO152	132	4		3												
SPO152	132	6		3												
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SPO152	132	76		3	0	0	45	66	0							
SPO152	132	78		3	0	0	45	66	0							
SPO152	132	80		3	0	0	45	66	0							
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SPO152	132	102		3	0	0	168	235	0							
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SPO152	132	108		3	0	0	127	196	0							
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SPO152	132	114		3	0	0	127	196	0							
SPO152	132	116		3	0	0	127	196	0							
SPO152	132	118	2.41	3	0	0	127	196	0							
SPO152	132	120		3	0	0	127	196	0							
SPO152	132	122		3	0	0	127	196	0	56.5	71.4	27.2	3.1	114.6		
SPO152	132	124	2.91	3	0	0	127	196	0	59.6	53.3	27.5	3.5	127.6		
SPO152	132	126		3	0	0	127	196	0	55.1	50.8	23.8	3.5	148		
SPO152	132	128	2.4	3	0	0	127	196	0	58.3	38.3	24.8	3.6	144.4		
SPO152	132	130		3	0	0	127	196	0	56.3	30.1	22.6	2.9	130.4		
SPO152	132	132		3	0	0	110	153	0	59.1	29.2	19.9	3	148.2		
SPO152	132	134		3	0	0	110	153	0	61.5	31.2	20.1	3	149.3		
SPO152	132	136		3	0	0	110	153	0	90.1	25.5	18.2	2.1	115.9		
SPO152	132	138		3	0	0	110	153	0	99.6	28.9	19.8	3	149.3		

SPO152	132	140	3	0	0	110	153	0	90.9	24.2	19.2	2.8	146.4
SPO152	132	142	3	0	0	110	153	0	147.1	25.2	18.1	2.6	141.5
SPO152	132	144	3	0	0	110	153	0	196	34.6	18.4	2.9	160
SPO152	132	146	3	0	0	110	153	0	247.1	28.8	18.7	2.9	153
SPO152	132	148	3	0	0	110	153	0	237.3	24.3	17.5	3.2	184.4
SPO152	132	150	3	0	0	110	153	0	283.3	29.2	19	3.8	198.9
SPO152	132	152	3	0	0	110	153	0	324.6	31.2	19.8	3.4	170.2
SPO152	132	154	3	0	0	110	153	0	366.9	27.7	17.3	3.1	178.6
SPO152	132	156	3	0	0	77	119	0	395.7	31.6	18.1	3.2	178.2
SPO152	132	158	3	0	0	77	119	0	433.2	31.6	18.9	3	160.9
SPO152	132	160	3	0	0	77	119	0	554.9	29.5	17.6	2.9	163.4
SPO152	132	162	3	0	0	77	119	0	462.6	37.1	19	3.5	182.2
SPO152	132	164	3	0	0	77	119	0	395.1	30.4	18.3	3.1	171.7
SPO152	132	166	3	0	0	77	119	0	481	35.3	22.9	2.5	109.8
SPO152	132	168	3	0	0	77	119	0	352.5	31.5	17.7	2.9	164.7
SPO152	132	170	3	0	0	77	119	0	317.9	34	17.3	3	174.3
SPO152	132	172	3	0	0	77	119	0	294.5	30.6	16.9	3.2	188.5
SPO152	132	174	4	0	0	77	119	0	251.4	32.6	17.3	3.4	199
SPO152	132	176	4	0	0	77	119	0	230.7	31.7	17.5	3.3	188.5
SPO152	132	178	4	0	0	77	119	0	284.9	32.1	18.3	3.3	178.6
SPO152	132	180	4	0	0	150	228	0	286.2	32	18	3.7	205
SPO152	132	182	4	0	0	150	228	0	317.9	27.8	17.3	3	174
SPO152	132	184	4	0	1	150	228	0	240.1	33.3	18.8	3.3	173.5
SPO152	132	186	4	0	1	150	228	0	175.7	32.2	17.7	3.2	181.2
SPO152	132	188	4	0	0	150	228	0	189.7	34.2	20.2	3.1	154.6
SPO152	132	190	4	0	0	150	228	0	210.7	33.7	23.2	2.8	119.2
SPO152	132	192	4	0	0	150	228	0	166.2	31.3	16.7	3.5	210.2
SPO152	132	194	4	0	0	150	228	0	185.7	28.1	19.3	3.4	175.2
SPO152	132	196	4	0	1	150	228	0	162.6	30.7	20.4	3.5	169.5
SPO152	132	198	4	0	0	150	228	0	157.8	31	20.4	3.7	180.8
SPO152	132	200	4	0	0	150	228	0	131.9	28.6	20.3	3.4	169.2
SPO152	132	202	4	0	0	150	228	0	122.8	28.5	21.5	3.4	156.7
SPO152	132	204	4	0	0	150	228	0	162.4	24.7	23.5	3.4	146.2
SPO152	132	206	4	0	0	150	228	0	113.2	23.2	22.8	3.4	149.3
SPO152	132	208	4	0	0	101	158	0	101.6	22.3	21.6	3.9	180.7
SPO152	132	210	4	0	0	101	158	0	123.6	21.4	16.5	3.5	213.1
SPO152	132	212	4	0	0	101	158	0	98.1	23.1	18	3.7	204.1
SPO152	132	214	4	0	0	101	158	0	93.6	21.5	18.4	3.6	197.3
SPO152	132	216	4	0	0	101	158	0	81.5	21.3	18.9	4.6	241.9
SPO152	132	218	4	0	0	101	158	0	74.4	22.2	19.8	4.3	215.2
SPO152	132	220	4	0	1	101	158	0	179.8	18.2	19.7	3.6	184.2
SPO152	132	222	4	0	0	101	158	0	133.6	19.9	18.7	4.7	252.2
SPO152	132	224	4	0	0	101	158	0	80.8	16.6	18.6	4.2	223.8
SPO152	132	226	4	0	0	101	158	0	144.5	19	19.3	4.8	249.8
SPO152	132	228	4					0	82.9	15.5	18.4	4.8	260.9
SPO152	132	230	4					0	120	15.3	19.1	4.7	248.1
SPO152	132	232	4					0	113.9	9.7	16.9	5.2	308.1
SPO152	132	234	4					0	241.5	10.4	20.5	6	295
SPO152	132	236	4					0	246.1	8.7	18.7	5.5	293.4
SPO152	132	238	4					0	317.7	9.3	20.6	6.2	300.3
SPO152	132	240	4					0	239	7.8	20.7	6.6	317.3
SPO152	132	242	4					0	284.9	6.1	20	5.7	285.4
SPO152	132	244	4					0	106.4	5	20.4	5.6	272.6
SPO152	132	246	4					0	94.7	4.6	21.1	6.5	306.6
SPO152	132	248	4					0	135.5	4.5	20	6	299.1
SPO152	132	250	4					0	397.9	4.3	22.9	6.5	285.9
SPO152	132	252	4					0	427.2	4.5	23.2	6.6	283.7
SPO152	133	0	3										
SPO152	133	2	3										
SPO152	133	4	3										
SPO152	133	6	3										
SPO152	133	8	3	0	0								
SPO152	133	10	3	0	0								
SPO152	133	12	3	0	0								
SPO152	133	14	3	0	0								
SPO152	133	16	3	0	0								
SPO152	133	18	3	0	0								
SPO152	133	20	3	0	0								

SPO152	133	22		3	0	0									
SPO152	133	24		3	0	0									
SPO152	133	26		3	0	0			0						
SPO152	133	28		3	0	0			0						
SPO152	133	30		3	0	0			0						
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SPO152	133	36		3	0	0			0						
SPO152	133	38		3	0	0			0						
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SPO152	133	44		3	0	0			0						
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SPO152	133	68		3	0	0	57	84	0						
SPO152	133	70		3	0	0	57	84	0						
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SPO152	133	82		3	0	0	57	84	0						
SPO152	133	84		3			148	233	0						
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SPO152	133	92		3			148	233	0						
SPO152	133	94		3	0	0	148	233	0						
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SPO152	133	98		3	0	0	138	201	0						
SPO152	133	100		3	0	0	138	201	0						
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SPO152	133	108		3	0	0	131	196	0						
SPO152	133	110		3	0	0	131	196	0						
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SPO152	133	114	2.55	3	0	0	131	196	0						
SPO152	133	116		3	0	0	131	196	0						
SPO152	133	118		3	0	0	131	196	0						
SPO152	133	120		3	0	0	131	196	0						
SPO152	133	122		3	0	0	131	196	0	16.3	17.3	18.1	3.6	198.6	
SPO152	133	124		3	0	0	131	196	0	16.3	16.6	24	3.8	158	
SPO152	133	126	1.34	3	0	0	131	196	0	10.5	15.6	19.5	3.5	180.5	
SPO152	133	128		3	0	0	131	196	0	15.7	17.6	17.8	3.5	198.8	
SPO152	133	130		3	0	0	131	196	0	15.3	15.3	21.3	4.1	191.9	
SPO152	133	132		3	0	0	73	121	0	17.9	14.1	23.1	4.5	195.5	
SPO152	133	134		3	0	0	73	121	0	21.1	13.5	23.2	4.8	206.7	
SPO152	133	136		3	0	0	73	121	0	31.7	15.2	27.1	5.3	196.3	
SPO152	133	138	0.73	3	0	0	73	121	0	46.7	12.9	29.3	5.5	187.6	
SPO152	133	140		3	0	0	73	121	0	49.7	13.3	30.4	5.7	188.7	
SPO152	133	142		3	0	0	73	121	0	87.9	12.1	25.5	5.4	212.9	
SPO152	133	144		3	0	0	73	121	0	127.5	12.5	27	5.5	202.2	
SPO152	133	146		3	0	0	73	121	0	173.6	11.1	25.3	5	197.5	
SPO152	133	148		3	0	0	73	121	0	158.8	14.2	26.3	5.8	219.5	
SPO152	133	150	0.7	3	0	0	73	121	0	170.1	10.3	29.2	6.2	213.2	
SPO152	133	152		3	0	0	73	121	0	178.7	10.9	28.3	6.2	217.8	
SPO152	133	154		3	0	0	73	121	0	165.4	8.9	28.4	6.1	215.6	
SPO152	133	156		3	0	0	62	100	0	176.2	10.8	26.2	6.2	238.4	

SPO152	133	158		3	0	0	62	100	0	192.8	9.9	26.7	6	224.6
SPO152	133	160		3	0	0	62	100	0	277.9	8.6	27.6	5.4	195.1
SPO152	133	162	1.03	3	0	0	62	100	0	270	10.4	25.1	5.2	207.8
SPO152	133	164		3	0	0	62	100	0	163.3	9	24	3.9	161.3
SPO152	133	166		3	0	0	62	100	0	157.6	9.7	24.4	4.3	177.8
SPO152	133	168		3	0	0	62	100	0	181.3	8	22.8	4.5	196.6
SPO152	133	170		3	0	0	62	100	0	190.1	9	23.5	4.6	193.8
SPO152	133	172		3	0	0	62	100	0	152.7	8.7	23.3	5.1	217.3
SPO152	133	174	0.84	4	0	0	62	100	0	101.7	7.9	23.7	5.1	213.6
SPO152	133	176		4	0	0	62	100	0	96	7.6	24.1	5.2	214.1
SPO152	133	178		4	0	0	62	100	0	210.1	8	23.4	5.1	216.7
SPO152	133	180		4	0	0	93	153	0	198.2	8.3	22.5	5.2	229.6
SPO152	133	182		4	0	0	93	153	0	172.6	7.1	23	4.7	205.6
SPO152	133	184		4	0	1	93	153	0	125.4	7.6	23	4.9	212.5
SPO152	133	186	0.77	4	0	1	93	153	0	112.5	7.4	24.1	4.5	186.1
SPO152	133	188		4	0	0	93	153	0	137.9	7.4	25.9	4.5	175
SPO152	133	190		4	0	0	93	153	0	147.3	9.3	25.6	4.5	174.3
SPO152	133	192		4	0	0	93	153	0	176.5	8.2	24.7	4.5	181.5
SPO152	133	194		4	0	0	93	153	0	191.1	10.1	24.5	4.7	190.9
SPO152	133	196		4	0	1	93	153	0	169.5	8.5	26	4.6	176.6
SPO152	133	198	0.77	4	0	0	93	153	0	149.1	8.9	26.4	4.7	179.5
SPO152	133	200		4	0	0	93	153	0	150.1	7.6	24.5	4.2	173.3
SPO152	133	202		4	0	0	93	153	0	177.6	7.9	28.8	4	138.2
SPO152	133	204		4	0	0	93	153	0	198.9	7.6	27.3	4.4	160.2
SPO152	133	206		4	0	0	93	153	0	104.5	7.8	28	4	144.1
SPO152	133	208		4	0	0	61	103	0	109.2	8.5	27.9	4.4	158.5
SPO152	133	210	0.94	4	0	0	61	103	0	165.8	9	21.3	4.2	196.3
SPO152	133	212		4	0	0	61	103	0	102.3	8.1	21	4.3	204.4
SPO152	133	214		4	0	0	61	103	0	118	8.9	19.8	4	200.6
SPO152	133	216		4	0	0	61	103	0	112.7	8.3	21.5	4.3	198.3
SPO152	133	218		4	0	0	61	103	0	147.8	8.4	21.1	4.3	203.5
SPO152	133	220		4	0	1	61	103	0	200.3	7.6	20	3.9	193.4
SPO152	133	222	0.94	4	0	0	61	103	0	96.1	8.7	20.5	4.4	213.6
SPO152	133	224		4	0	0	61	103	0	82.2	8.1	20.7	4.2	200.4
SPO152	133	226		4	0	0	61	103	0	65.7	7.7	21.1	4.2	199
SPO152	133	228		4					0	65.9	8.5	20.2	4.4	218.3
SPO152	133	230		4					0	152.4	7.8	20.1	4.2	207.3
SPO152	133	232		4					0	56.7	7.3	19.6	3.8	192.7
SPO152	133	234		4					0	80.4	7.4	19.8	3.5	177.7
SPO152	133	236		4					0	87.5	9.4	19.8	3.8	191.8
SPO152	133	238		4					0	90	9.7	19.9	3.7	187.1
SPO152	133	240		4					0	105	9.3	18.7	3.8	205.1
SPO152	133	242		4					0	132.7	10.7	18.1	3.4	186.4
SPO152	133	244		4					0	88.7	9.4	18.2	3.2	175.5
SPO152	133	246		4					0	78	8.2	20.6	3.7	178.4
SPO152	133	248		4					0	72.5	9.8	20.8	3.7	179.7
SPO152	133	250		4					0	77.1	9.7	20.7	3.5	168
SPO152	133	252		4					0	150.7	9	21	3.6	172.2
VJ133	100	0		8										
VJ133	100	2		6										
VJ133	100	4		7										
VJ133	100	6		7					0					
VJ133	100	8		7					0					
VJ133	100	10		7	1	1			0					
VJ133	100	12		7	1	1			0					
VJ133	100	14		7	0	0			0					
VJ133	100	16		7	0	0			0					
VJ133	100	18		4	0	0			0					
VJ133	100	20		4	0	0			0					
VJ133	100	22		4	0	0			0					
VJ133	100	24		4	0	0			0					
VJ133	100	26		4	0	0	54	94	0					
VJ133	100	28		4	0	0	54	94	0					
VJ133	100	30		4	0	0	54	94	0					
VJ133	100	32		4	0	0	54	94	0					
VJ133	100	34		4	0	0	54	94	0					
VJ133	100	36		4	0	0	54	94	0					
VJ133	100	38		4	0	0	54	94	0					

VJ133	100	40		4	0	0	54	94	0						
VJ133	100	42		5	0	0	54	94	0						
VJ133	100	44		5	0	0	54	94	0						
VJ133	100	46		5	0	0	54	94	0						
VJ133	100	48		4	0	0	54	94	0						
VJ133	100	50		4	0	0	79	127	0						
VJ133	100	52		4	1	0	79	127	0						
VJ133	100	54		4	0	0	79	127	0						
VJ133	100	56		4	0	0	79	127	0						
VJ133	100	58		4	0	0	79	127	0						
VJ133	100	60		4	0	0	79	127	0						
VJ133	100	62		4	1	1	79	127	0						
VJ133	100	64		4	1	1	79	127	0						
VJ133	100	66		4	0	0	79	127	0						
VJ133	100	68		4	0	0	79	127	0						
VJ133	100	70		4	0	0	67	126	0						
VJ133	100	72		4	0	0	67	126	0						
VJ133	100	74		4	0	0	67	126	0						
VJ133	100	76		4	0	0	67	126	0						
VJ133	100	78		4	0	0	67	126	0						
VJ133	100	80		4	0	0	67	126	0						
VJ133	100	82		4	0	0	67	126	0						
VJ133	100	84		4	0	0	67	126	0						
VJ133	100	86		4	0	0	67	126	0						
VJ133	100	88		4	0	0	67	126	0						
VJ133	100	90		4	0	0	67	126	0						
VJ133	100	92		4	0	0	67	126	0						
VJ133	100	94		4	0	0	120	186	0						
VJ133	100	96		4	0	0	120	186	0						
VJ133	100	98		4	0	0	120	186	0						
VJ133	100	100		4	1	0	120	186	0						
VJ133	100	102		4	1	0	120	186	0						
VJ133	100	104		4	1	0	54	94	0						
VJ133	100	106		4	1	0	54	94	0						
VJ133	100	108		4	0	0	54	94	0						
VJ133	100	110		4	0	0	54	94	0						
VJ133	100	112		4	0	0	54	94	0						
VJ133	100	114		4	0	0	54	94	0						
VJ133	100	116		4	0	0	54	94	0	106.2	81.6	30.6	2.8	92.2	
VJ133	100	118		4	0	0	135	240	0	101.7	44.5	28.6	3.2	113.7	
VJ133	100	120		4	0	0	135	240	0	99.5	25.6	31.4	3.1	97.5	
VJ133	100	122		4	0	0	135	240	0	126.8	22	25.1	3	118.7	
VJ133	100	124		4	0	0	213	342	0						
VJ133	100	126		4	0	0	159	277	0	218.2	10.8	31.8	3.5	109.2	
VJ133	100	128		4	0	0	159	277	0	272.3	12	30.6	3.8	124.7	
VJ133	100	130		4	0	0	159	277	0	273.3	9.5	28	3.1	110.4	
VJ133	100	132		4	0	0	159	277	0	281.4	8.9	24.9	3.6	143.2	
VJ133	100	134		4	0	0	159	277	0	291.4	7.7	28.2	3.5	125.3	
VJ133	100	136		4	0	0	159	277	0	272.4	9.5	25.6	3.2	125.6	
VJ133	100	137		4	0	0	151	233	0	315.1	7	30	3.2	105.7	
VJ133	100	138		4	0	0	151	233	0	261.1	6.1	29.9	3.5	115.5	
VJ133	100	140		4	0	0	151	233	0	229.7	5.3	24.5	3.1	127.2	
VJ133	100	142		4	0	0	151	233	0	220.9	4.9	23.3	2.8	118.9	
VJ133	100	144		4	0	0	272	429	0	200.6	4.5	22.2	3.2	144.2	
VJ133	100	146		4	0	0	272	429	0	190.6	5.1	25.3	3.1	121.1	
VJ133	100	148		4	0	0	272	429	0	194.2	3.9	25.3	3.4	135.7	
VJ133	100	150		4	0	0	272	429	0	186.3	6.3	25.6	3.6	140.1	
VJ133	100	152		4	1	0	272	429	0	185.3	3.1	26.2	3.2	123	
VJ133	100	154		4	0	0	272	429	0	172	5.2	26.3	3.3	126	
VJ133	100	156		4	0	0	272	429	0	189	7.2	29.5	3.7	123.9	
VJ133	100	158		4	0	0	272	429	0	207.3	8	26.1	3.4	129.8	
VJ133	100	160	4.34	4	0	0	272	429	0	178.7	3.3	30.7	3.6	117.8	
VJ133	100	162		4	0	0	272	429	0	172.8	7.4	24.5	3.1	128.3	
VJ133	100	164		4	0	0	264	429	0	200.1	10.5	27.1	3.5	129.5	
VJ133	100	166		4	0	0	43	94	0	205.2	8.6	26.3	3.4	129.5	
VJ133	100	168		4	0	0	43	94	0	199.1	5.2	28.9	3.6	124.3	
VJ133	100	170	24.05	4	0	0	43	94	0	217	6.2	28.5	3.4	119.9	
VJ133	100	172		4	0	0	43	94	0	251.2	16.5	78.9	3.4	43	

VJ133	100	174		4	0	0	43	94	0	236.2	8.4	27.2	3.7	134.7
VJ133	100	176	4.63	4	0	0	43	94	0	237.7	5.2	23.3	3.2	138.1
VJ133	100	178		4	0	0	43	94	0	229.5	2	23.9	3.6	148.8
VJ133	100	180		4	0	0	43	94	0	242.1	6.2	36.4	3.6	98.4
VJ133	100	182		4	0	0	43	94	0	201.9	5.2	34.6	3.5	102.2
VJ133	100	184		4	0	0	43	94	0					
VJ133	100	186	9.96	4	0	0	43	94	0	174.7	6.7	21.6	3	140.3
VJ133	100	188		4	0	0	43	94	0	177.2		30.7	3.2	105.5
VJ133	100	190		4	0	0	43	94	0	167.2	1.6	26.3	3.6	135.8
VJ133	100	192		4	0	0	43	94	0	199.5	1.6	26	3.4	132.3
VJ133	100	194		4	0	0	43	94	0	164.2	2.7	23.8	3.3	137.8
VJ133	100	196	4.47	4	0	0	43	94	0	163.2		25.5	3.6	141.4
VJ133	100	198		4	0	0	43	94	0	197.9	1.7	24.7	3.2	129.7
VJ133	100	200	18.64	4	0	0	43	94	0	212.7		24.8	3.5	141.7
VJ133	100	202		4	0	0	43	94	0	159.8		23.1	3.4	148.7
VJ133	100	204		4	0	0	43	94	0	148.3	3.8	23.1	3.1	133.4
VJ133	100	206		4	0	0	43	94	0	123.9	3.5	24.6	3.5	142.5
VJ133	100	208		4	0	0	43	94	0	113	2.3		3.8	
VJ133	100	210	3.34	4	0	0	43	94	0	126.2	1.9		3.6	
VJ133	100	212		4	0	0	43	94	0	118.3	3.6	23.7	3.8	159.8
VJ133	100	214		4	0	0	43	94	0	128.5	4.2	23.3	4.3	183.8
VJ133	100	216		4	0	0	43	94	0	129.2	5.3	20.7	3.7	178.3
VJ133	100	218		4	0	0	228	270	0	123.2	2.6	23.9	4.2	174.7
VJ133	100	220	3.04	4	0	0	228	270	0	96.2	4.6	24.3	6.1	250.3
VJ133	100	222		4	0	0	228	270	0	78.9	3.1	23.7	5.7	242.3
VJ133	100	224		4	0	0	228	270	0	76.4	2.9	23.4	4.3	181.8
VJ133	100	226		4	0	0	228	270	0	178.5	5.9	23	4.3	187.8
VJ133	100	228		4	0	0	228	270	0					
VJ133	100	230		4	0	0	228	270	0	120.6		23.9	5.9	248.2
VJ133	100	232		4	0	0	228	270	0	113.7	3.4	24.1	6.6	274.7
VJ133	100	234		4	0	0	228	270	0	127.9	4.1	22.7	5.6	245.2
VJ133	100	236		4	0	0	188	281	0	164.8	4.5	24	5.9	244.4
VJ133	100	238		4	0	0	188	281	0					
VJ133	100	240		4	0	0	255	411	0	357.4	7.3	25.8	5.9	230.1
VJ133	100	242		4	0	0	255	411	0	258.3	4.4	26.4	5	187.4
VJ133	100	244		4	0	0	255	411	0	248.5	4.4	27.1	5.2	190.8
VJ133	100	246		4	0	0	255	411	0	247.8	2.7	24	6.9	287.3
VJ133	100	248		4	0	0	255	411	0	268.4	4.4	41	6.5	159.3
VJ133	100	250		4	0	0	255	411	0	275.4	4	28.8	6.1	213
VJ133	100	252		4	0	0	255	411	0	355.9	6.4	29.1	5.3	182.4
VJ133	100	254		4	0	0	255	411	0	389	4.8	33.3	4.9	146.2
VJ133	100	256	6.7	4	0	0	255	411	0	465.6	5.7	29.1	4.6	158.8
VJ133	100	258		4	0	0	255	411	0	458.4	5.7	31.2	5.3	169
VJ133	100	260		4	0	0	255	411	0	543.7	5.4	30	5.1	168.7
VJ133	100	262		4	0	0	255	411	0	755.2	5.1	26.9	5.3	198.1
VJ133	100	264		4	0	0	109	204	0	693.9	6.5	26.9	5.8	215.3
VJ133	100	266		4	0	0	109	204	0					
VJ133	100	268		4	0	0	109	204	0	397.3	6.7	23.6	7	296.8
VJ133	100	270		4	0	0	109	204	0	322.2	8.9	27.4	5.7	206.5
VJ133	100	272		4	0	0	109	204	0	273.4	8.7	28.6	5.8	201.1
VJ133	100	274		4	0	0	109	204	0	404.8	8.9	27.2	5.5	203.7
VJ133	100	276		4	0	0	109	204	0	279.9	12	29.5	5.6	188.5
VJ133	100	278		4	0	0	109	204	0	292.1	9.1	27.5	5.3	191.7
VJ133	100	280		4	0	0	109	204	0	242.8	9.1	26.5	5.5	208.1
VJ133	100	282		4	0	0	109	204	0	368.6	9.4	27.9	6.4	228
VJ133	100	284		4	0	0	109	204	0	118.3	7.4	26.6	5.6	209.6
VJ133	100	286		3	0	0	138	225	0	133.1	7.4	23.2	5.6	242.7
VJ133	100	288		3	0	0	138	225	0	286.4	7.5	26.5	6	225.5
VJ133	100	290	0.68	3	0	0	138	225	0	164.5	5.9	23.8	6.3	265.7
VJ133	100	292		4	0	0	138	225	0	412.4	8.9	25.5	7	275.8
VJ133	100	294		4	0	0	170		0	495.9	6.5	23.3	8.6	370.4
VJ133	100	296		4	0	0	170		0	745.5	6.4	22.2	8.7	393
VJ133	100	298		4	0	0	170		0					
VJ133	100	300		4	0	0	170		0					
VJ133	100	302	0.59	4	0	0	170		0					
VJ133	100	304		4	0	0	170		0					
VJ133	100	306		4	0	0	170		0					
VJ133	100	308		4	0	0	65	107	0					

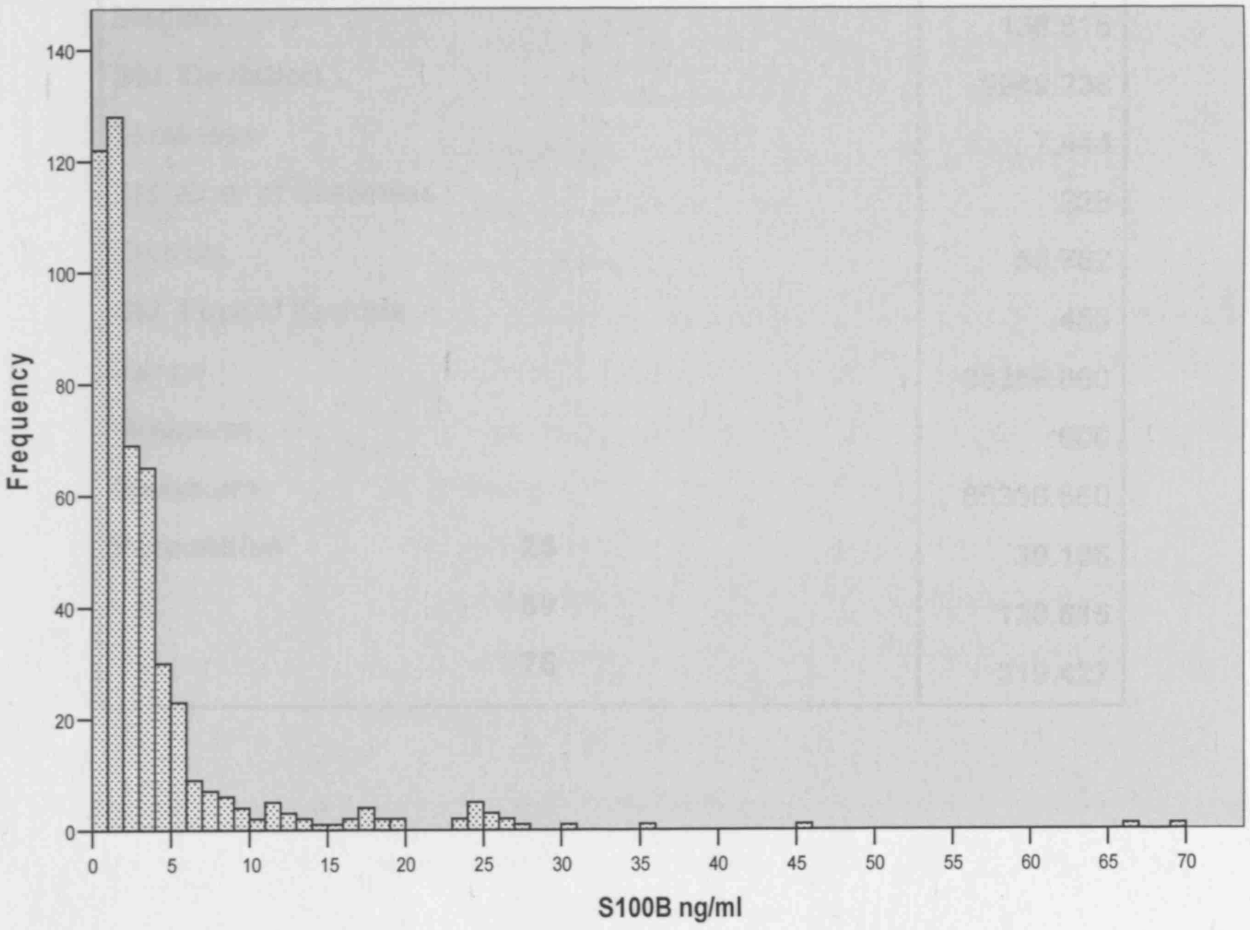
VJ133	100	310	4	0	0	65	107	0					
VJ133	100	312	4	0	0	65	107	0	152.8	13.1	32.5	3.2	98.5
VJ133	100	314	4	0	0	65	107	0					
VJ133	100	316	4	0	0	130	224	0					
VJ133	100	318	4	0	0	130	224	0					
VJ133	100	320	4	0	0	130	224	0					
VJ133	100	322	4	0	0	130	224	0					
VJ133	100	324	4	0	0	130	224	0					
VJ133	100	326	4	0	0	130	224	0					
VJ133	100	328	4	0	0	130	224	0					
VJ133	100	330	4	0	0	130	224	0					
VJ133	100	332						0					
VJ133	100	334						0	287.4	7.1	28.3	6.1	215.2
VJ133	100	336						0					

APPENDIX 2

S100B – DESCRIPTIVE STATISTICS

N	Valid	**505**
	Missing	0
Mean		3.994
Std. Error of Mean		.3029
Median		2.020
Std. Deviation		6.807
Skewness		5.051
Std. Error of Skewness		.109
Kurtosis		35.581
Std. Error of Kurtosis		.217
Range		69.620
Minimum		.000
Maximum		69.620
Percentiles	**25**	**1.015**
	50	**2.020**
	75	**3.855**

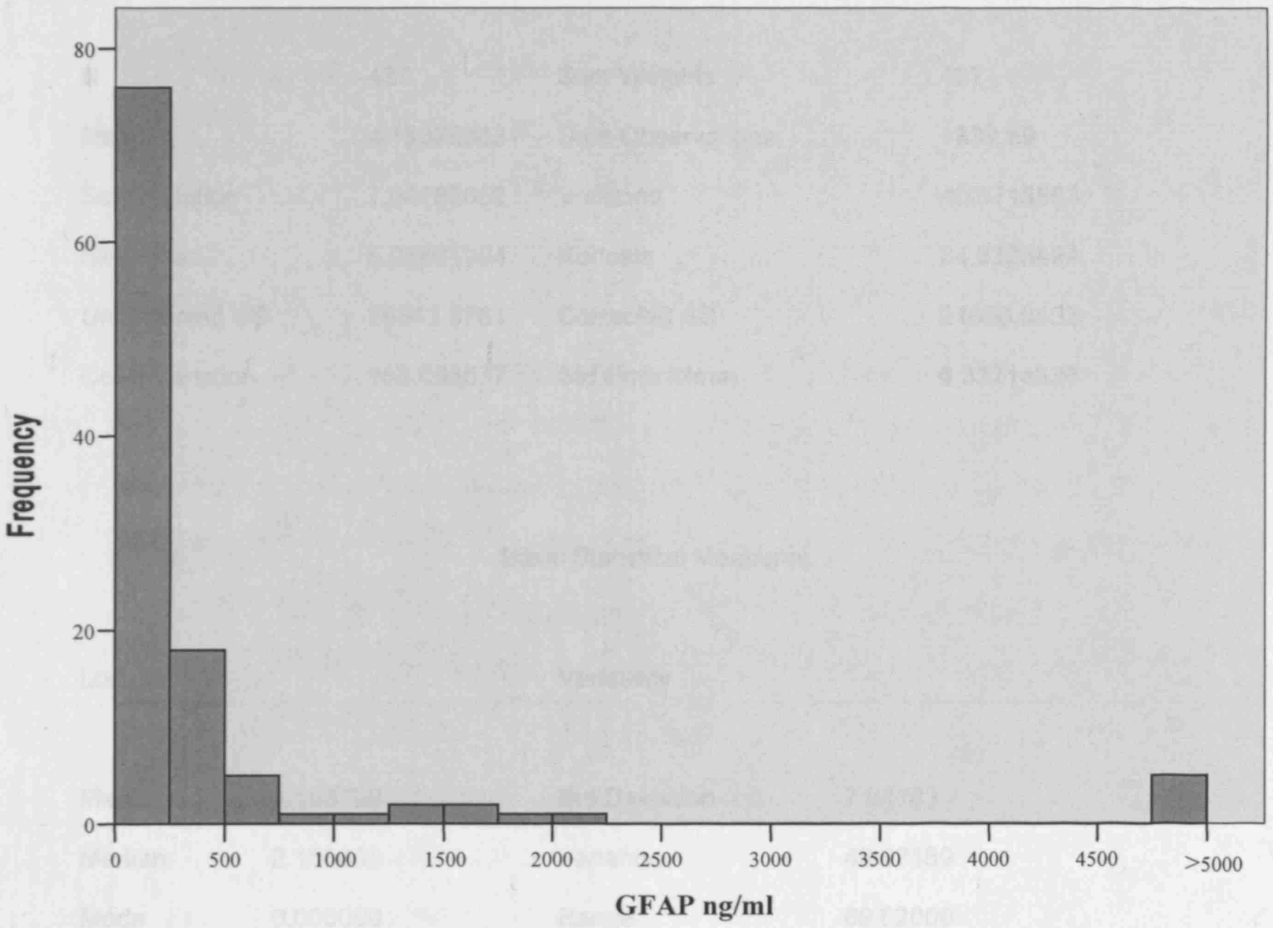
S100B – HISTOGRAM



GFAP – DESCRIPTIVE STATISTICS

N	Valid	**112**
	Missing	0
Mean		1784.083
Std. Error of Mean		940.114
Median		138.815
Std. Deviation		9949.238
Skewness		7.444
Std. Error of Skewness		.228
Kurtosis		56.762
Std. Error of Kurtosis		.453
Range		85358.660
Minimum		.000
Maximum		85358.660
Percentiles	**25**	**30.135**
	50	**138.815**
	75	**319.427**

GFAP – HISTOGRAM



Note that the 4 highest GFAP values (6362.97; 8885.55; 10489.79; 61678.28; 85358.66) are collectively shown as one bar in the above histogram for practical reasons.

INTRACRANIAL PRESSURE

---------- ICP<25 mm Hg ----------

Variable: S100B

Moments

N	437	Sum Weights	437
Mean	4.19379863	Sum Observations	1832.69
Std Deviation	7.04782862	Variance	49.6718883
Skewness	5.05861394	Kurtosis	34.9323494
Uncorrected SS	29342.8761	Corrected SS	21656.9433
Coeff Variation	168.053577	Std Error Mean	0.33714336

Basic Statistical Measures

Location		Variability	
Mean	4.193799	Std Deviation	7.04783
Median	2.150000	Variance	49.67189
Mode	0.000000	Range	69.62000
		Interquartile Range	2.85000

Quantiles

Quantile	Estimate

100% Max	69.62
99%	30.06
95%	17.51
90%	8.54
75% Q3	3.98
50% Median	2.15
25% Q1	1.13
10%	0.65
5%	0.00
1%	0.00
0% Min	0.00

---------- ICP>25 mm Hg ----------

Variable: S100B

Moments

N	19	Sum Weights	19
Mean	6.32684211	Sum Observations	120.21
Std Deviation	7.34296039	Variance	53.9190673
Skewness	1.96440416	Kurtosis	2.70027195
Uncorrected SS	1731.0929	Corrected SS	970.543211
Coeff Variation	116.060434	Std Error Mean	1.68459065

Basic Statistical Measures

Location	Variability

Mean	6.326842	Std Deviation	7.34296
Median	3.770000	Variance	53.91907
Mode	2.800000	Range	23.79000
		Interquartile Range	3.69000

Quantiles

Quantile	Estimate
100% Max	24.77
99%	24.77
95%	24.77
90%	24.10
75% Q3	6.06
50% Median	3.77
25% Q1	2.3
10%	1.02
5%	0.98
1%	0.98
0% Min	0.98

Kruskal-Wallis Test

Chi-Square	5.8072
DF	1
Pr > Chi-Square	0.0160

CEREBRAL PERFUSION PRESSURE

---------- CPP>50 mm Hg----------

Variable: S100B

Moments

N	444	Sum Weights	444
Mean	4.29211712	Sum Observations	1905.7
Std Deviation	7.15111471	Variance	51.1384416
Skewness	4.84051256	Kurtosis	32.265148
Uncorrected SS	30833.8172	Corrected SS	22654.3296
Coeff Variation	166.610428	Std Error Mean	0.33937689

Basic Statistical Measures

Location		Variability	
Mean	4.292117	Std Deviation	7.15111
Median	2.160000	Variance	51.13844
Mode	0.000000	Range	69.62000
		Interquartile Range	2.87500

Quantiles

Quantile	Estimate
100% Max	69.620
99%	30.060
95%	17.680
90%	8.920
75% Q3	4.005
50% Median	2.160
25% Q1	1.130
10%	0.660
5%	0.030
1%	0.000
0% Min	0.000

---------- CPP<50 mm Hg----------

Variable: S100B

Moments

N	12	Sum Weights	12
Mean	3.93333333	Sum Observations	47.2
Std Deviation	2.22584951	Variance	4.95440606
Skewness	2.15299139	Kurtosis	6.92357381
Uncorrected SS	240.1518	Corrected SS	54.4984667
Coeff Variation	56.5893944	Std Error Mean	0.64254741

Basic Statistical Measures

Location		Variability	
Mean	3.933333	Std Deviation	2.22585
Median	3.650000	Variance	4.95441
Mode	.	Range	9.49000
		Interquartile Range	1.34000

Quantiles

Quantile	Estimate
100% Max	10.260
99%	10.260
95%	10.260
90%	4.430
75% Q3	4.235
50% Median	3.650
25% Q1	2.895
10%	2.760
5%	0.770
1%	0.770
0% Min	0.770

Kruskal-Wallis Test

Chi-Square	3.6922

DF	1
Pr > Chi-Square	0.0547

---------- CPP>50 mm Hg----------

Variable: GFAP

Moments

N	98	Sum Weights	98
Mean	1992.99663	Sum Observations	195313.67
Std Deviation	10625.2305	Variance	112895523
Skewness	6.95258636	Kurtosis	49.3936616
Uncorrected SS	1.13401E10	Corrected SS	1.09509E10
Coeff Variation	533.12837	Std Error Mean	1073.31036

Basic Statistical Measures

Location		Variability	
Mean	1992.997	Std Deviation	10625
Median	132.155	Variance	112895523
Mode	0.000	Range	85359
		Interquartile Range	253.28000

Quantiles

Quantile	Estimate
100% Max	85358.660
99%	85358.660
95%	6362.970
90%	1337.280
75% Q3	278.100
50% Median	132.155
25% Q1	24.820
10%	3.590
5%	1.070
1%	0.000
0% Min	0.000

---------- CPP<50 mm Hg----------

Variable: GFAP

Moments

N	4	Sum Weights	4
Mean	320.925	Sum Observations	1283.7
Std Deviation	152.203593	Variance	23165.9336
Skewness	-0.0286379	Kurtosis	-1.5661842
Uncorrected SS	481469.223	Corrected SS	69497.8009
Coeff Variation	47.4265304	Std Error Mean	76.1017964

Basic Statistical Measures

Location		Variability	
Mean	320.9250	Std Deviation	152.20359
Median	321.8700	Variance	23166
Mode	.	Range	350.60000
		Interquartile Range	238.68000

Quantiles

Quantile	Estimate
100% Max	495.280
99%	495.280
95%	495.280
90%	495.280
75% Q3	440.265
50% Median	321.870
25% Q1	201.585
10%	144.680
5%	144.680
1%	144.680
0% Min	144.680

Kruskal-Wallis Test

Chi-Square	2.1983
DF	1
Pr > Chi-Square	0.1382

MORTALITY (6 MONTHS)

---------- NON-SURVIVORS----------

Variable: mean S100B

Moments

N	11	Sum Weights	11
Mean	5.72902622	Sum Observations	63.0192885
Std Deviation	3.68908709	Variance	13.6093636
Skewness	0.92877756	Kurtosis	-0.5288007
Uncorrected SS	497.132792	Corrected SS	136.093636
Coeff Variation	64.3929168	Std Error Mean	1.11230161

Basic Statistical Measures

Location		Variability	
Mean	5.729026	Std Deviation	3.68909
Median	4.680000	Variance	13.60936
Mode	.	Range	10.65489
		Interquartile Range	7.14950

Quantiles

Quantile	Estimate
100% Max	12.64000

99%	12.64000
95%	12.64000
90%	10.54333
75% Q3	10.12200
50% Median	4.68000
25% Q1	2.97250
10%	2.03200
5%	1.98511
1%	1.98511
0% Min	1.98511

---------- SURVIVORS ----------

Variable: mean S100B

Moments

N	13	Sum Weights	13
Mean	4.59138655	Sum Observations	59.6880251
Std Deviation	6.00253584	Variance	36.0304365
Skewness	2.74607402	Kurtosis	8.26952663
Uncorrected SS	706.416034	Corrected SS	432.365238
Coeff Variation	130.734709	Std Error Mean	1.6648039

Basic Statistical Measures

Location		Variability	
Mean	4.591387	Std Deviation	6.00254

Median	2.680800	Variance	36.03044
Mode	.	Range	22.76958
		Interquartile Range	2.30113

Quantiles

Quantile	Estimate
100% Max	22.956250
99%	22.956250
95%	22.956250
90%	8.381818
75% Q3	4.069706
50% Median	2.680800
25% Q1	1.768571
10%	1.140000
5%	0.186667
1%	0.186667
0% Min	0.186667

Kruskal-Wallis Test

Chi-Square	3.3306
DF	1
Pr > Chi-Square	0.0680

---------- NON-SURVIVORS ----------

Variable: maximum S100B

Moments

N	11	Sum Weights	11
Mean	20.18	Sum Observations	221.98
Std Deviation	17.3663704	Variance	301.59082
Skewness	2.06981388	Kurtosis	5.43897535
Uncorrected SS	7495.4646	Corrected SS	3015.9082
Coeff Variation	86.0573359	Std Error Mean	5.23615768

Basic Statistical Measures

Location		Variability	
Mean	20.18000	Std Deviation	17.36637
Median	13.99000	Variance	301.59082
Mode	.	Range	63.14000
		Interquartile Range	14.70000

Quantiles

Quantile	Estimate
100% Max	66.49
99%	66.49
95%	66.49

90%	25.49
75% Q3	24.96
50% Median	13.99
25% Q1	10.26
10%	4.16
5%	3.35
1%	3.35
0% Min	3.35

---------- SURVIVORS----------

Variable: maximum S100B

Moments

N	13	Sum Weights	13
Mean	15.5969231	Sum Observations	202.76
Std Deviation	18.1615241	Variance	329.840956
Skewness	2.4565136	Kurtosis	7.05636201
Uncorrected SS	7120.5236	Corrected SS	3958.09148
Coeff Variation	116.442993	Std Error Mean	5.03710048

Basic Statistical Measures

Location		Variability	
Mean	15.59692	Std Deviation	18.16152
Median	10.74000	Variance	329.84096

Mode	.	Range	68.73000
		Interquartile Range	12.34000

Quantiles

Quantile	Estimate
100% Max	69.62
99%	69.62
95%	69.62
90%	26.52
75% Q3	17.68
50% Median	10.74
25% Q1	5.34
10%	1.34
5%	0.89
1%	0.89
0% Min	0.89

Kruskal-Wallis Test

Chi-Square	1.1488
DF	1
Pr > Chi-Square	0.2838

----------NON-SURVIVORS----------

Variable: mean GFAP

Moments

N	5	Sum Weights	5
Mean	593.2244	Sum Observations	2966.122
Std Deviation	527.470295	Variance	278224.912
Skewness	1.54674729	Kurtosis	2.36661177
Uncorrected SS	2872475.59	Corrected SS	1112899.65
Coeff Variation	88.9158125	Std Error Mean	235.891887

Basic Statistical Measures

Location		Variability	
Mean	593.2244	Std Deviation	527.47030
Median	440.8080	Variance	278225
Mode	.	Range	1293
		Interquartile Range	447.57400

Quantiles

Quantile	Estimate
100% Max	1470.020
99%	1470.020

95%	1470.020
90%	1470.020
75% Q3	662.948
50% Median	440.808
25% Q1	215.374
10%	176.972
5%	176.972
1%	176.972
0% Min	176.972

----------SURVIVORS----------

Variable: mean GFAP

Moments

N	6	Sum Weights	6
Mean	662.984521	Sum Observations	3977.90713
Std Deviation	998.03886	Variance	996081.566
Skewness	1.99384041	Kurtosis	3.9762138
Uncorrected SS	7617698.68	Corrected SS	4980407.83
Coeff Variation	150.537279	Std Error Mean	407.447658

Basic Statistical Measures

Location		Variability	
Mean	662.9845	Std Deviation	998.03886

Median	227.2377	Variance	996082
Mode	.	Range	2575
		Interquartile Range	834.42833

Quantiles

Quantile	Estimate
100% Max	2600.6527
99%	2600.6527
95%	2600.6527
90%	2600.6527
75% Q3	865.5933
50% Median	227.2377
25% Q1	31.1650
10%	26.0206
5%	26.0206
1%	26.0206
0% Min	26.0206

Kruskal-Wallis Test

Chi-Square	0.1333
DF	1
Pr > Chi-Square	0.7150

----------NON-SURVIVORS----------

Variable: maximum GFAP

Moments

N	5	Sum Weights	5
Mean	1074.76	Sum Observations	5373.8
Std Deviation	776.296415	Variance	602636.124
Skewness	0.58522124	Kurtosis	-0.9713973
Uncorrected SS	8186089.78	Corrected SS	2410544.49
Coeff Variation	72.2297457	Std Error Mean	347.170311

Basic Statistical Measures

Location		Variability	
Mean	1074.760	Std Deviation	776.29641
Median	1013.830	Variance	602636
Mode	.	Range	1850
		Interquartile Range	1085

Quantiles

Quantile	Estimate
100% Max	2177.58
99%	2177.58
95%	2177.58
90%	2177.58
75% Q3	1470.02

50% Median	1013.83
25% Q1	385.25
10%	327.12
5%	327.12
1%	327.12
0% Min	327.12

----------SURVIVORS----------

Variable: maximum GFAP

Moments

N	6	Sum Weights	6
Mean	2150.17667	Sum Observations	12901.06
Std Deviation	4111.1137	Variance	16901255.9
Skewness	2.38366698	Kurtosis	5.73418695
Uncorrected SS	112245838	Corrected SS	84506279.4
Coeff Variation	191.19888	Std Error Mean	1678.35514

Basic Statistical Measures

Location		Variability	
Mean	2150.177	Std Deviation	4111
Median	433.800	Variance	16901256
Mode	.	Range	10429
		Interquartile Range	1192

Quantiles

Quantile	Estimate
100% Max	10489.79
99%	10489.79
95%	10489.79
90%	10489.79
75% Q3	1337.28
50% Median	433.80
25% Q1	145.13
10%	61.26
5%	61.26
1%	61.26
0% Min	61.26

Kruskal-Wallis Test

Chi-Square	0.5333
DF	1
Pr > Chi-Square	0.4652

OUTCOME (6 MONTHS)

----------POOR OUTCOME----------

Variable: mean S100B

Moments

N	15	Sum Weights	15
Mean	6.68837711	Sum Observations	100.325657
Std Deviation	5.61474844	Variance	31.5254001
Skewness	1.94929277	Kurtosis	4.34751725
Uncorrected SS	1112.37143	Corrected SS	441.355601
Coeff Variation	83.9478449	Std Error Mean	1.44972181

Basic Statistical Measures

Location		Variability	
Mean	6.688377	Std Deviation	5.61475
Median	4.680000	Variance	31.52540
Mode	.	Range	20.97114
		Interquartile Range	7.14950

Quantiles

Quantile	Estimate
100% Max	22.95625

99%	22.95625
95%	22.95625
90%	12.64000
75% Q3	10.12200
50% Median	4.68000
25% Q1	2.97250
10%	2.03200
5%	1.98511
1%	1.98511
0% Min	1.98511

----------GOOD OUTCOME----------

Variable: mean S100B

Moments

N	9	Sum Weights	9
Mean	2.48685077	Sum Observations	22.3816569
Std Deviation	2.10705831	Variance	4.43969474
Skewness	1.70762499	Kurtosis	3.34197054
Uncorrected SS	91.1773986	Corrected SS	35.5175579
Coeff Variation	84.7279757	Std Error Mean	0.70235277

Basic Statistical Measures

Location		Variability	
Mean	2.486851	Std Deviation	2.10706

Median	1.834231	Variance	4.43969
Mode	.	Range	7.12606
		Interquartile Range	1.43583

Quantiles

Quantile	Estimate
100% Max	7.312727
99%	7.312727
95%	7.312727
90%	7.312727
75% Q3	2.752500
50% Median	1.834231
25% Q1	1.316667
10%	0.186667
5%	0.186667
1%	0.186667
0% Min	0.186667

Kruskal-Wallis Test

Chi-Square	7.6880
DF	1
Pr > Chi-Square	0.0056

----------POOR OUTCOME----------

Variable: maximum S100B

Moments

N	15	Sum Weights	15
Mean	22.4886667	Sum Observations	337.33
Std Deviation	20.0872482	Variance	403.497541
Skewness	1.70801572	Kurtosis	2.33101523
Uncorrected SS	13235.0675	Corrected SS	5648.96557
Coeff Variation	89.3216504	Std Error Mean	5.18650519

Basic Statistical Measures

Location		Variability	
Mean	22.48867	Std Deviation	20.08725
Median	13.99000	Variance	403.49754
Mode	.	Range	66.27000
		Interquartile Range	15.23000

Quantiles

Quantile	Estimate
100% Max	69.62
99%	69.62
95%	69.62

90%	66.49
75% Q3	25.49
50% Median	13.99
25% Q1	10.26
10%	4.16
5%	3.35
1%	3.35
0% Min	3.35

----------GOOD OUTCOME----------

Variable: maximum S100B

Moments

N	9	Sum Weights	9
Mean	9.71222222	Sum Observations	87.41
Std Deviation	8.15456433	Variance	66.4969194
Skewness	0.64992057	Kurtosis	-0.8397275
Uncorrected SS	1380.9207	Corrected SS	531.975356
Coeff Variation	83.9618796	Std Error Mean	2.71818811

Basic Statistical Measures

Location		Variability	
Mean	9.712222	Std Deviation	8.15456
Median	7.080000	Variance	66.49692

Mode	.	Range	23.16000
		Interquartile Range	13.23000

Quantiles

Quantile	Estimate
100% Max	24.05
99%	24.05
95%	24.05
90%	24.05
75% Q3	16.76
50% Median	7.08
25% Q1	3.53
10%	0.89
5%	0.89
1%	0.89
0% Min	0.89

Kruskal-Wallis Test

Chi-Square	3.9902
DF	1
Pr > Chi-Square	0.0458

----------POOR OUTCOME----------

Variable: mean GFAP

Moments

N	7	Sum Weights	7
Mean	918.909723	Sum Observations	6432.36806
Std Deviation	863.554328	Variance	745726.078
Skewness	1.46416721	Kurtosis	1.89727081
Uncorrected SS	10385122	Corrected SS	4474356.47
Coeff Variation	93.9759703	Std Error Mean	326.392857

Basic Statistical Measures

Location		Variability	
Mean	918.9097	Std Deviation	863.55433
Median	662.9480	Variance	745726
Mode	.	Range	2424
		Interquartile Range	1255

Quantiles

Quantile	Estimate
100% Max	2600.653
99%	2600.653
95%	2600.653

90%	2600.653
75% Q3	1470.020
50% Median	662.948
25% Q1	215.374
10%	176.972
5%	176.972
1%	176.972
0% Min	176.972

----------GOOD OUTCOME----------

Variable: mean GFAP

Moments

N	4	Sum Weights	4
Mean	127.915266	Sum Observations	511.661064
Std Deviation	114.895594	Variance	13200.9975
Skewness	0.01528586	Kurtosis	-5.8918663
Uncorrected SS	105052.254	Corrected SS	39602.9926
Coeff Variation	89.8216434	Std Error Mean	57.4477971

Basic Statistical Measures

Location		Variability	
Mean	127.9153	Std Deviation	114.89559
Median	125.1711	Variance	13201

Mode	.	Range	209.27775
		Interquartile Range	198.64494

Quantiles

Quantile	Estimate
100% Max	235.2983
99%	235.2983
95%	235.2983
90%	235.2983
75% Q3	227.2377
50% Median	125.1711
25% Q1	28.5928
10%	26.0206
5%	26.0206
1%	26.0206
0% Min	26.0206

Kruskal-Wallis Test

Chi-Square	3.5714
DF	1
Pr > Chi-Square	0.0588

----------POOR OUTCOME----------

Variable: maximum GFAP

Moments

N	7	Sum Weights	7
Mean	2457.26714	Sum Observations	17200.87
Std Deviation	3599.60575	Variance	12957161.5
Skewness	2.47293798	Kurtosis	6.29920208
Uncorrected SS	120010102	Corrected SS	77742969.1
Coeff Variation	146.488173	Std Error Mean	1360.52309

Basic Statistical Measures

Location		Variability	
Mean	2457.267	Std Deviation	3600
Median	1337.280	Variance	12957162
Mode	.	Range	10163
		Interquartile Range	1792

Quantiles

Quantile	Estimate
100% Max	10489.79
99%	10489.79
95%	10489.79

90%	10489.79
75% Q3	2177.58
50% Median	1337.28
25% Q1	385.25
10%	327.12
5%	327.12
1%	327.12
0% Min	327.12

----------GOOD OUTCOME----------

Variable: maximum GFAP

Moments

N	4	Sum Weights	4
Mean	268.4975	Sum Observations	1073.99
Std Deviation	210.920107	Variance	44487.2915
Skewness	0.60348006	Kurtosis	-1.4284987
Uncorrected SS	421825.505	Corrected SS	133461.874
Coeff Variation	78.5557061	Std Error Mean	105.460053

Basic Statistical Measures

Location		Variability	
Mean	268.4975	Std Deviation	210.92011
Median	238.6650	Variance	44487

Mode	.	Range	474.14000
		Interquartile Range	330.60500

Quantiles

Quantile	Estimate
100% Max	535.400
99%	535.400
95%	535.400
90%	535.400
75% Q3	433.800
50% Median	238.665
25% Q1	103.195
10%	61.260
5%	61.260
1%	61.260
0% Min	61.260

Kruskal-Wallis Test

Chi-Square	4.3214
DF	1
Pr > Chi-Square	0.0376

CORRELATION OF S100B AND GFAP WITH GOS AT 6 MONTHS

			GOS (6 months)
Spearman's rho	S100B (mean per patient)	Correlation Coefficient	-.554(**)
		Sig. (2-tailed)	.005
		N	24
	S100B (maximum per patient)	Correlation Coefficient	-.385
		Sig. (2-tailed)	.063
		N	24
	GFAP (mean per patient)	Correlation Coefficient	-.371
		Sig. (2-tailed)	.260
		N	11
	GFAP (maximum per patient)	Correlation Coefficient	-.474
		Sig. (2-tailed)	.140
		N	11

** Correlation is significant at the 0.01 level (2-tailed).

CORRELATION OF S100B AND GFAP WITH INDICES OF SEVERITY OF SAH (FISHER GRADE, RLS-85 ON ADMISSION) AND RLS-85

			Fisher grade (initial CT scan)	RLS-85 (admission)	RLS-85 (mean per patient)
Spearman's rho	S100B (mean per patient)	Corr. Coefficient	.263	.340(*)	.352(*)
		Sig. (2-tailed)	.125	.045	.037
		N	35	35	35
	S100B (maximum per patient)	Corr. Coefficient	.168	.268	.281
		Sig. (2-tailed)	.333	.119	.101
		N	35	35	35
	GFAP (mean per patient)	Corr. Coefficient	.521(*)	-.038	-.089
		Sig. (2-tailed)	.046	.891	.751
		N	15	15	15
	GFAP (maximum per patient)	Corr. Coefficient	.626(*)	-.112	-.225
		Sig. (2-tailed)	.012	.690	.420
		N	15	15	15

* Correlation is significant at the 0.05 level (2-tailed).

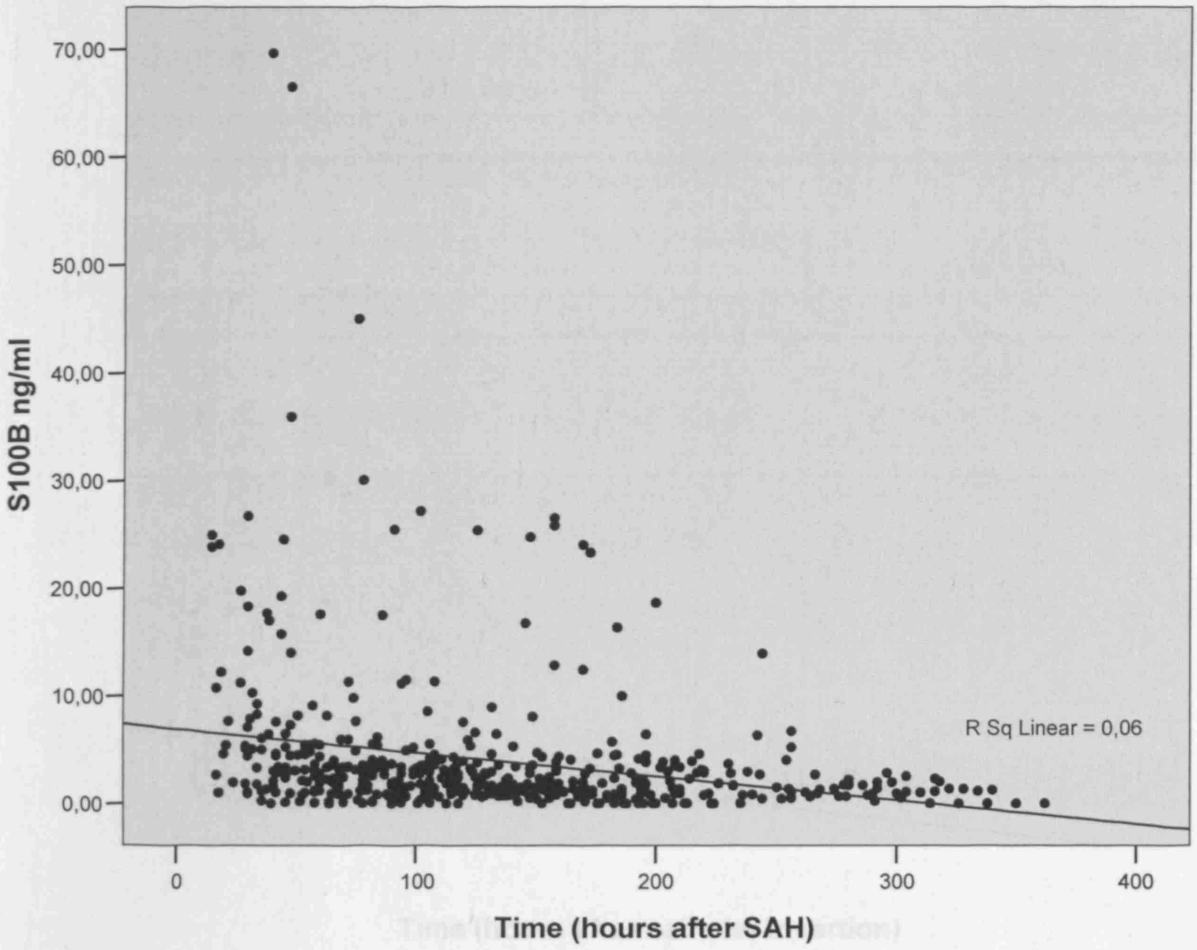
CORRELATION OF S100B AND GFAP WITH TCD MEAN/MAXIMUM FLOW VELOCITIES

			TCD mean (mean per patient)	TCD maximum (mean per patient)
Spearman's rho	S100B (mean per patient)	Corr. Coefficient	.234	.269
		Sig. (2-tailed)	.181	.122
		N	34	34
	S100B (maximum per patient)	Corr. Coefficient	.236	.239
		Sig. (2-tailed)	.177	.172
		N	34	34
	GFAP (mean per patient)	Corr. Coefficient	.167	.271
		Sig. (2-tailed)	.549	.327
		N	15	15
	GFAP (maximum per patient)	Corr. Coefficient	.210	.353
		Sig. (2-tailed)	.451	.196
		N	15	15

S100B AND TIME (HOURS) AFTER SAH

			S100B
Spearman's rho	Time after SAH	Correlation Coefficient	-.348(**)
		Sig. (2-tailed)	.000
		N	505

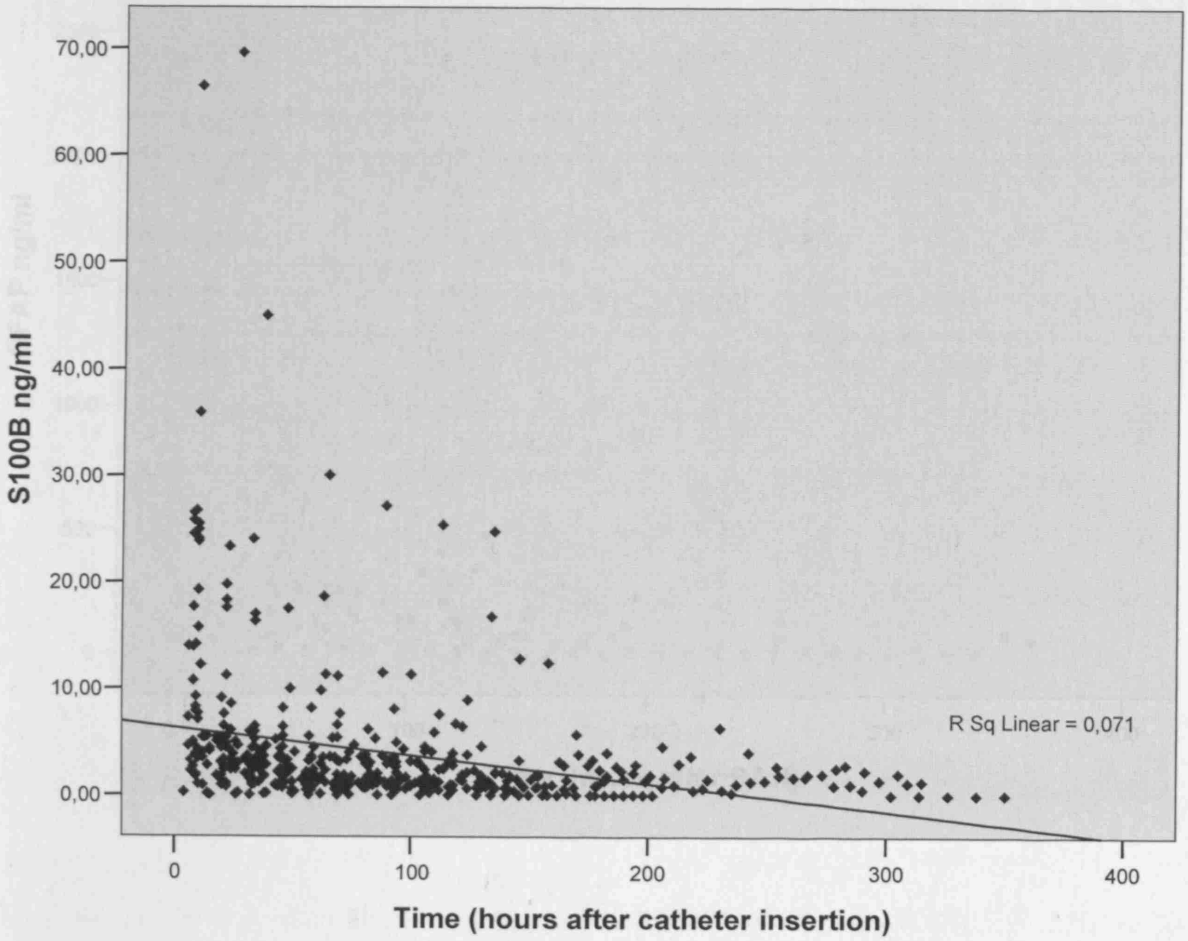
** Correlation is significant at the 0.01 level (2-tailed).



S100B AND TIME (HOURS) AFTER CATHETER INSERTION

			S100B
Spearman's rho	Time after insertion	Corr. Coefficient	-.436(**)
		Sig. (2-tailed)	.000
		N	500

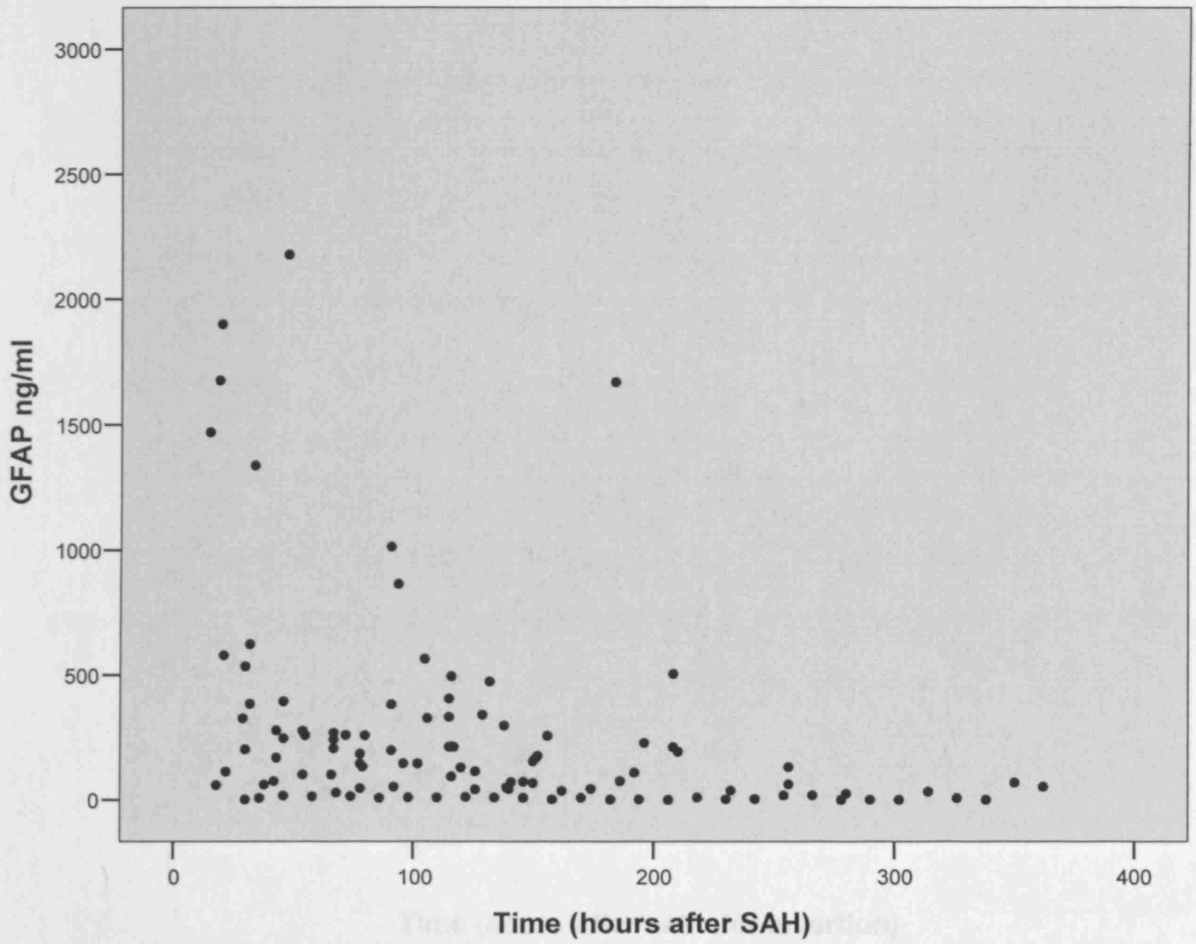
** Correlation is significant at the 0.01 level (2-tailed).



GFAP AND TIME (HOURS) AFTER SAH

			GFAP
Spearman's rho	Time after SAH	Correlation Coefficient	-.446(**)
		Sig. (2-tailed)	.000
		N	112

** Correlation is significant at the 0.01 level (2-tailed).

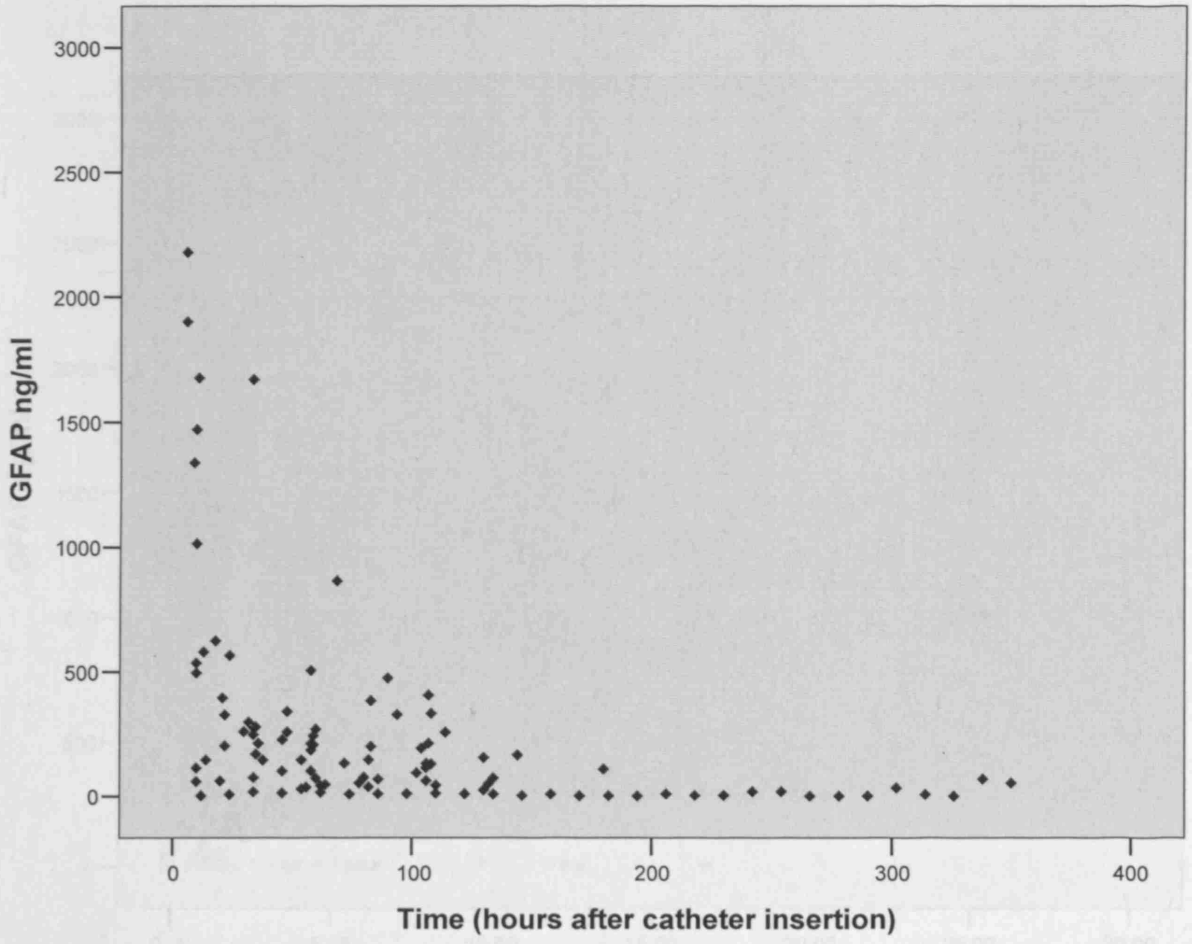


Note that the 4 highest GFAP values (6362.97; 8885.55; 10489.79; 61678.28; 85358.66) are not depicted on the scatter plot for practical reasons. However, they are included in the analysis.

GFAP AND TIME (HOURS) AFTER CATHETER INSERTION

			GFAP
Spearman's rho	Time after insertion	Corr. Coefficient	-.655(**)
		Sig. (2-tailed)	.000
		N	107

** Correlation is significant at the 0.01 level (2-tailed).

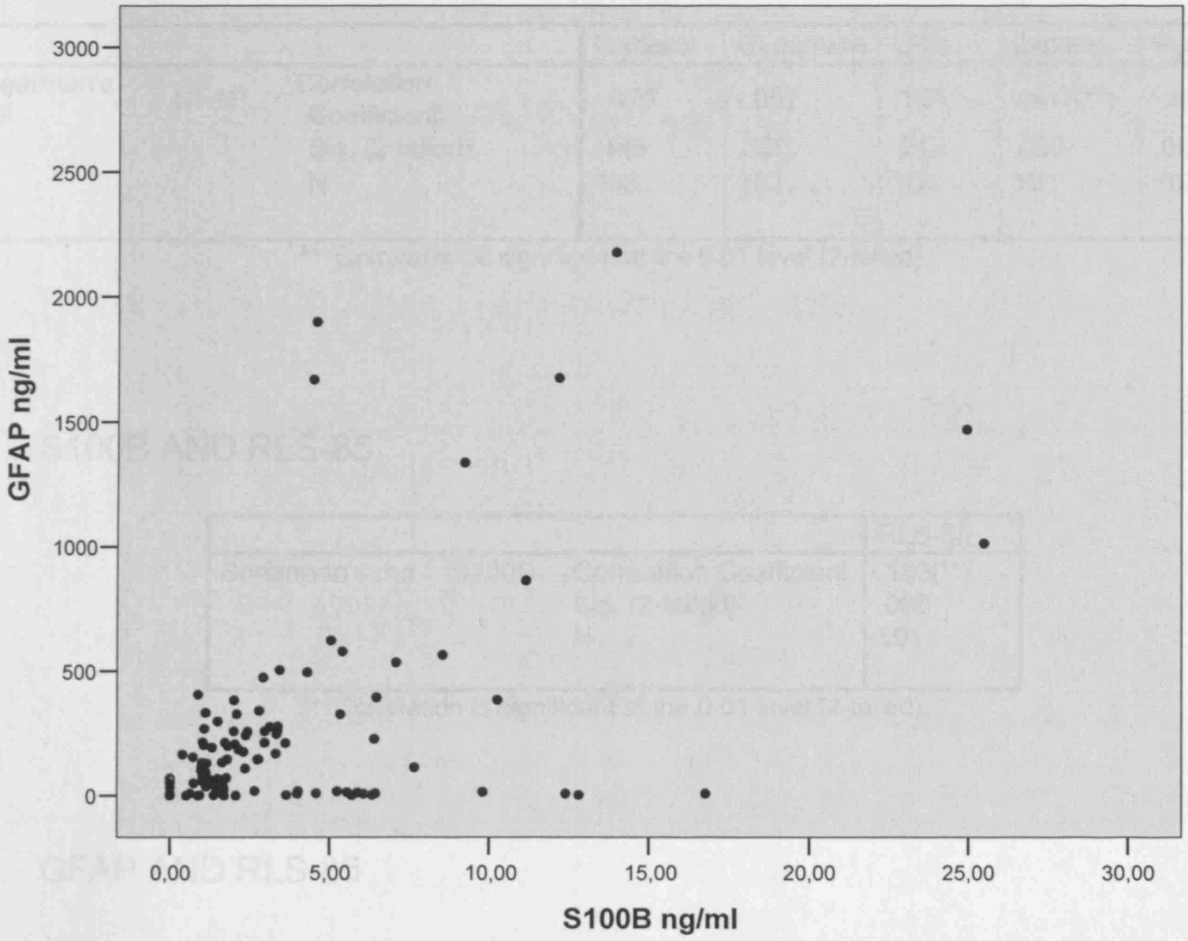


Note that the 4 highest GFAP values (6362.97; 8885.55; 10489.79; 61678.28; 85358.66) are not depicted on the scatter plot for practical reasons. However, they are included in the analysis.

S100B AND GFAP

			GFAP
Spearman's rho	S100B	Correlation Coefficient	.394(**)
		Sig. (2-tailed)	.000
		N	111

** Correlation is significant at the 0.01 level (2-tailed).



Note that the 4 highest GFAP values (6362.97; 8885.55; 10489.79; 61678.28; 85358.66) are not depicted on the scatter plot for practical reasons. However, they are included in the analysis.

S100B AND OTHER MD METABOLITES

			Glycerol	Glutamate	LPR	Lactate	Pyruvate
Spearman's rho	S100B	Correlation Coefficient	.167(**)	.240(**)	.306(**)	.150(**)	-.105(*)
		Sig. (2-tailed)	.000	.000	.000	.001	.024
		N	462	456	456	460	459

** Correlation is significant at the 0.01 level (2-tailed).
* Correlation is significant at the 0.05 level (2-tailed).

GFAP AND OTHER MD METABOLITES

			Glycerol	Glutamate	LPR	Lactate	Pyruvate
Spearman's rho	GFAP	Correlation Coefficient	-.076	-.097	.124	-.447(**)	-.474(**)
		Sig. (2-tailed)	.445	.329	.212	.000	.000
		N	103	103	103	103	103

** Correlation is significant at the 0.01 level (2-tailed).

S100B AND RLS-85

			RLS-85
Spearman's rho	S100B	Correlation Coefficient	.163(**)
		Sig. (2-tailed)	.000
		N	501

** Correlation is significant at the 0.01 level (2-tailed).

GFAP AND RLS-85

			RLS-85
Spearman's rho	GFAP	Correlation Coefficient	.019
		Sig. (2-tailed)	.841
		N	112

S100B AND TCD MEAN/MAXIMUM FLOW VELOCITIES

			TCDmean	TCDmax
Spearman's rho	S100B	Correlation Coefficient	-.091	-.018
		Sig. (2-tailed)	.056	.701
		N	441	441

GFAP AND TCD MEAN/MAXIMUM FLOW VELOCITIES

			TCDmean	TCDmax
Spearman's rho	GFAP	Correlation Coefficient	.327(**)	.421(**)
		Sig. (2-tailed)	.001	.000
		N	99	99

** Correlation is significant at the 0.01 level (2-tailed).

CORRELATIONS BETWEEN MD METABOLITES

			Glycerol	Glutamate	LPR	Lactate	Pyruvate
Spearman's rho	Glycerol	Corr. Coefficient	1.000	.185(**)	.219(**)	.155(**)	.007
		Sig. (2-tailed)	.	.000	.000	.000	.640
		N	4598	4533	4531	4572	4557
	Glutamate	Corr. Coefficient	.185(**)	1.000	.254(**)	.283(**)	.021
		Sig. (2-tailed)	.000	.	.000	.000	.165
		N	4533	4540	4475	4515	4498
	LPR	Corr. Coefficient	.219(**)	.254(**)	1.000	.410(**)	-.184(**)
		Sig. (2-tailed)	.000	.000	.	.000	.000
		N	4531	4475	4536	4535	4536
	Lactate	Corr. Coefficient	.155(**)	.283(**)	.410(**)	1.000	.645(**)
		Sig. (2-tailed)	.000	.000	.000	.	.000
		N	4572	4515	4535	4579	4535
	Pyruvate	Corr. Coefficient	.007	.021	-.184(**)	.645(**)	1.000
		Sig. (2-tailed)	.640	.165	.000	.000	.
		N	4557	4498	4536	4535	4562

** Correlation is significant at the 0.01 level (2-tailed).
* Correlation is significant at the 0.05 level (2-tailed).

MD METABOLITES AND TIME (HOURS AFTER SAH/HOURS AFTER CATHETER INSERTION)

			Time after SAH	Time after catheter insertion
Spearman's rho	Glycerol	Corr. Coefficient	.002	-.058(**)
		Sig. (2-tailed)	.903	.000
		N	4578	4402
	Glutamate	Corr. Coefficient	-.194(**)	-.196(**)
		Sig. (2-tailed)	.000	.000
		N	4520	4344
	LPR	Corr.Coefficient	.098(**)	.118(**)
		Sig. (2-tailed)	.000	.000
		N	4516	4340
	Lactate	Corr.Coefficient	.284(**)	.237(**)
		Sig. (2-tailed)	.000	.000
		N	4559	4383
	Pyruvate	Corr.Coefficient	.239(**)	.272(**)
		Sig. (2-tailed)	.000	.000
		N	4542	4366

** Correlation is significant at the 0.01 level (2-tailed).
* Correlation is significant at the 0.05 level (2-tailed).

MD METABOLITES AND RLS-85

			RLS
Spearman's rho	Glycerol	Correlation Coefficient	.150(**)
		Sig. (2-tailed)	.000
		N	4574
	Glutamate	Correlation Coefficient	-.077(**)
		Sig. (2-tailed)	.000
		N	4516
	LPR	Correlation Coefficient	.293(**)
		Sig. (2-tailed)	.000
		N	4512
	Lactate	Correlation Coefficient	.328(**)
		Sig. (2-tailed)	.000
		N	4555
	Pyruvate	Correlation Coefficient	.175(**)
		Sig. (2-tailed)	.000
		N	4538

** Correlation is significant at the 0.01 level (2-tailed).