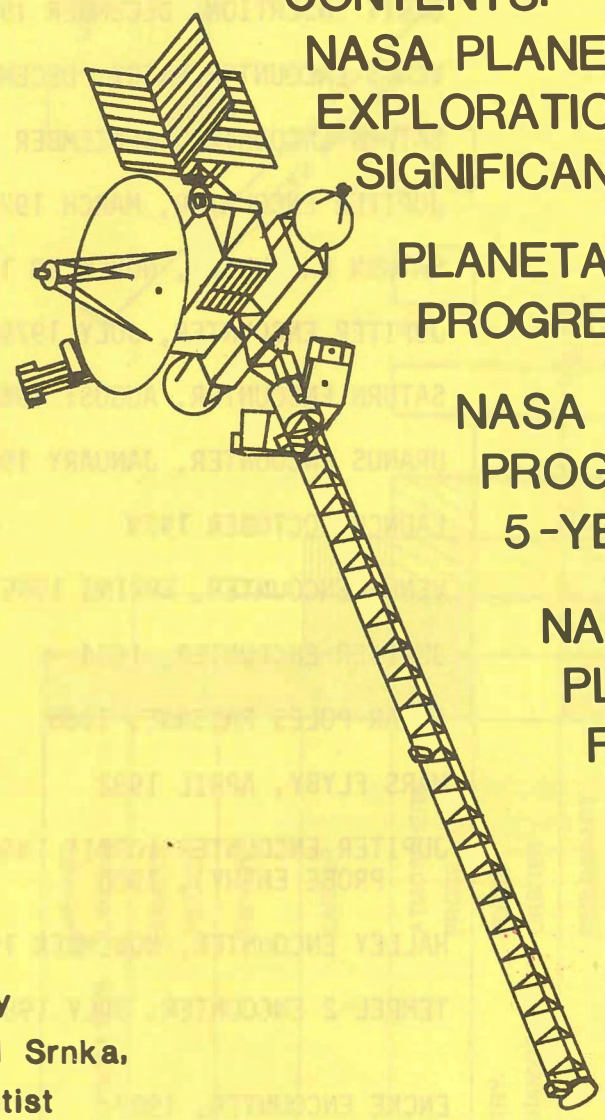


PLANETARY EXPLORATION PROGRESS AND PROMISE



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PROGRESS - 1978

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PROGRAM FUNDING:
5-YEAR PLAN

NASA OSS 5-YEAR PLAN:
PLANETARY PROGRAM
FUNDING

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compiled by
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NASA PLANETARY EXPLORATION PLANS
SIGNIFICANT EVENTS

MISSION

EVENTS

PIONEER VENUS ORBITER	ORBIT INSERTION, DECEMBER 1978
PIONEER VENUS MULTIPROBE	VENUS ENCOUNTER/ENTRY, DECEMBER 1978
PIONEER 11	SATURN ENCOUNTER, SEPTEMBER 1979
VOYAGER 1	JUPITER ENCOUNTER, MARCH 1979
	SATURN ENCOUNTER, NOVEMBER 1980
VOYAGER 2	JUPITER ENCOUNTER, JULY 1979
	SATURN ENCOUNTER, AUGUST 1981
	URANUS ENCOUNTER, JANUARY 1986
SOLAR MAXIMUM MISSION	LAUNCH, OCTOBER 1979
VENUS ORBITAL IMAGING RADAR	VENUS ENCOUNTER, SPRING 1985
SOLAR POLAR MISSION	JUPITER ENCOUNTER, 1984
	SOLAR POLES PASSAGE, 1986
GALILEO MISSION	MARS FLYBY, APRIL 1982
	JUPITER ENCOUNTER (ORBIT INSERTION/ PROBE ENTRY), 1985
COMET HALLEY/TEMPEL 2 MISSION	HALLEY ENCOUNTER, NOVEMBER 1985
	TEMPEL 2 ENCOUNTER, JULY 1988
<u>or</u>	
COMET ENCKE RENDEZVOUS	ENCKE ENCOUNTER, 1987
MARS GEOCHEMICAL ORBITER	MARS ENCOUNTER, 1987
MARS SAMPLE RETURN	MARS ENCOUNTER, 1989
	EARTH RETURN, 1991
SATURN ORBITER DUAL PROBE	SATURN ENCOUNTER, 1992

from NASA Headquarters 5-year plan
May 1978

PLANETARY EXPLORATION -- PROGRESS AND PROMISE

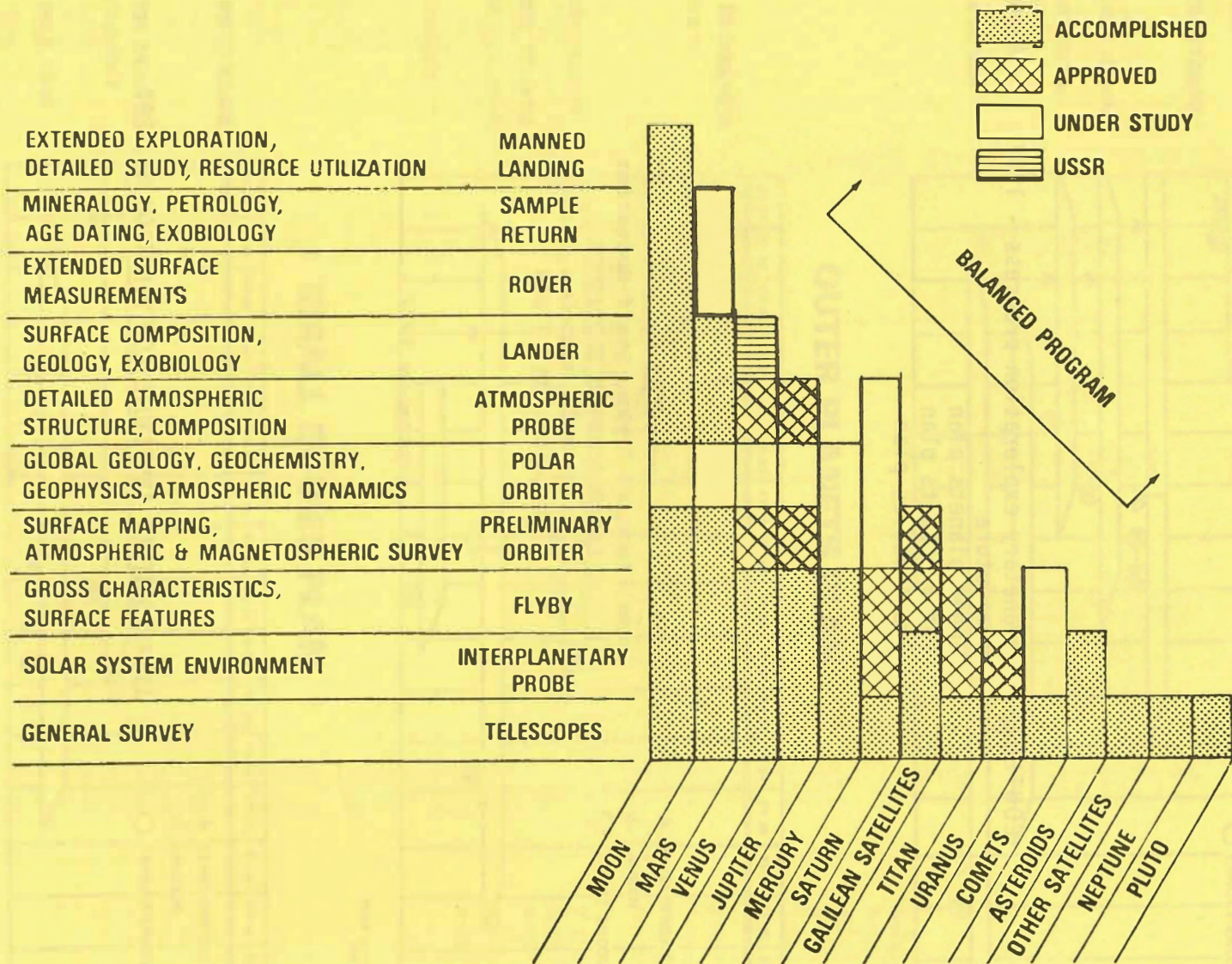
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September 1977

LUNAR SCIENCE INSTITUTE CONTRIBUTION No. 297

PLANETARY EXPLORATION PROGRESS - 1977



THE FUTURE

RECONNAISSANCE

COMETS

HALLEY
RENDEZVOUS

ASTERIODS

MULTIPLE
ASTERIOD
RENDEZVOUS

URANUS

VOYAGER
EXTENDED
MISSION

EXPLORATION

VENUS

VOIR

SATURN

SOP²

MERCURY

MeO

INTENSIVE STUDY

MARS

MARS 84

MOON

MSR LPO

SPACE UTILIZATION

MOON

LPO

INNER PLANETS PLAN

CURRENT PROGRAMS

VIKING

PIONEER VENUS

FY 79-83 NEW STARTS

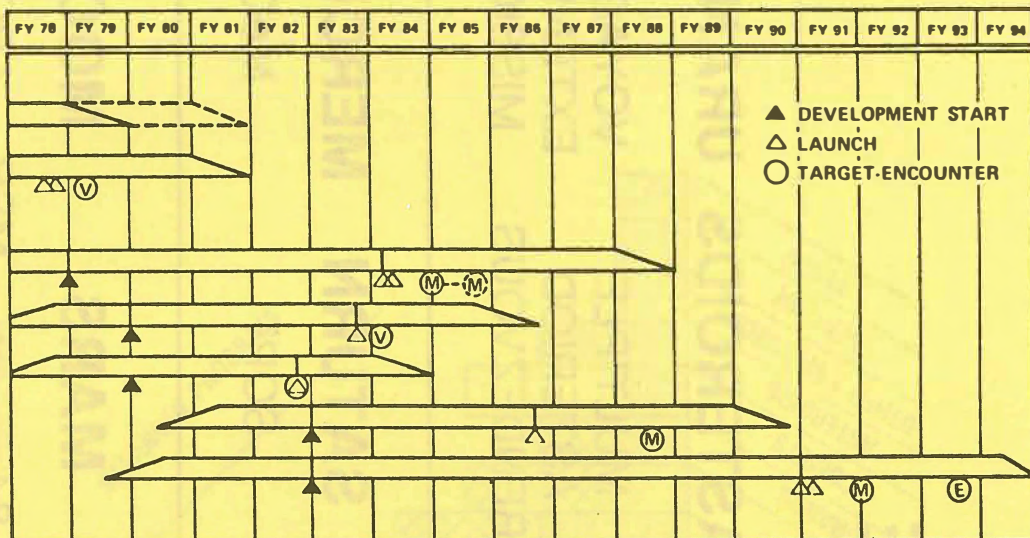
MARS 1984

VENUS ORB. IMAG. RADAR

LUNAR POLAR ORBITER

MERCURY ORBITER

MARS SAMPLE RETURN



NASA HQ SL 77 2122 (11)
3 24 77

OUTER PLANETS PLAN

CURRENT PROGRAMS

PIONEER 10 & 11

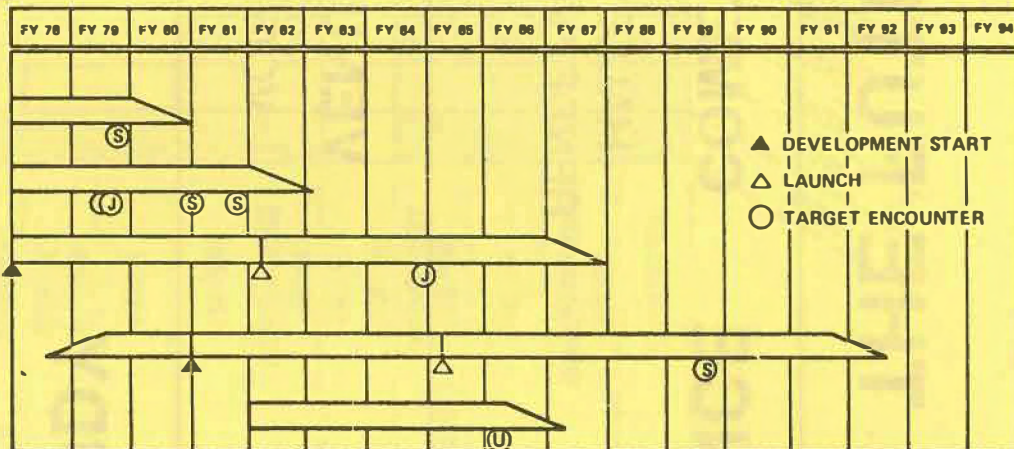
VOYAGER

JUPITER ORBITER/PROBE

FY 79-83 NEW STARTS

SATURN ORB/DUAL PROBE

VOYAGER - URANUS



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3 24 77

SMALL BODIES PLAN

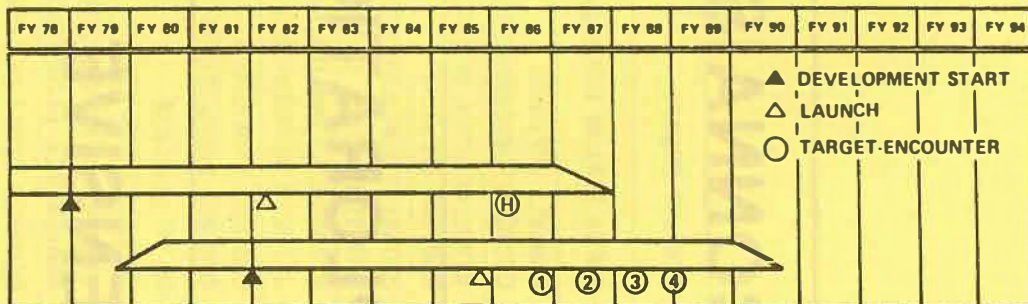
CURRENT PROGRAMS

NONE

FY 79-83 NEW STARTS

HALLEY RENDEZVOUS

ASTEROID MULT. REND



NASA HQ SL 77 2128 (11)
3 24 77
NASA-JSC

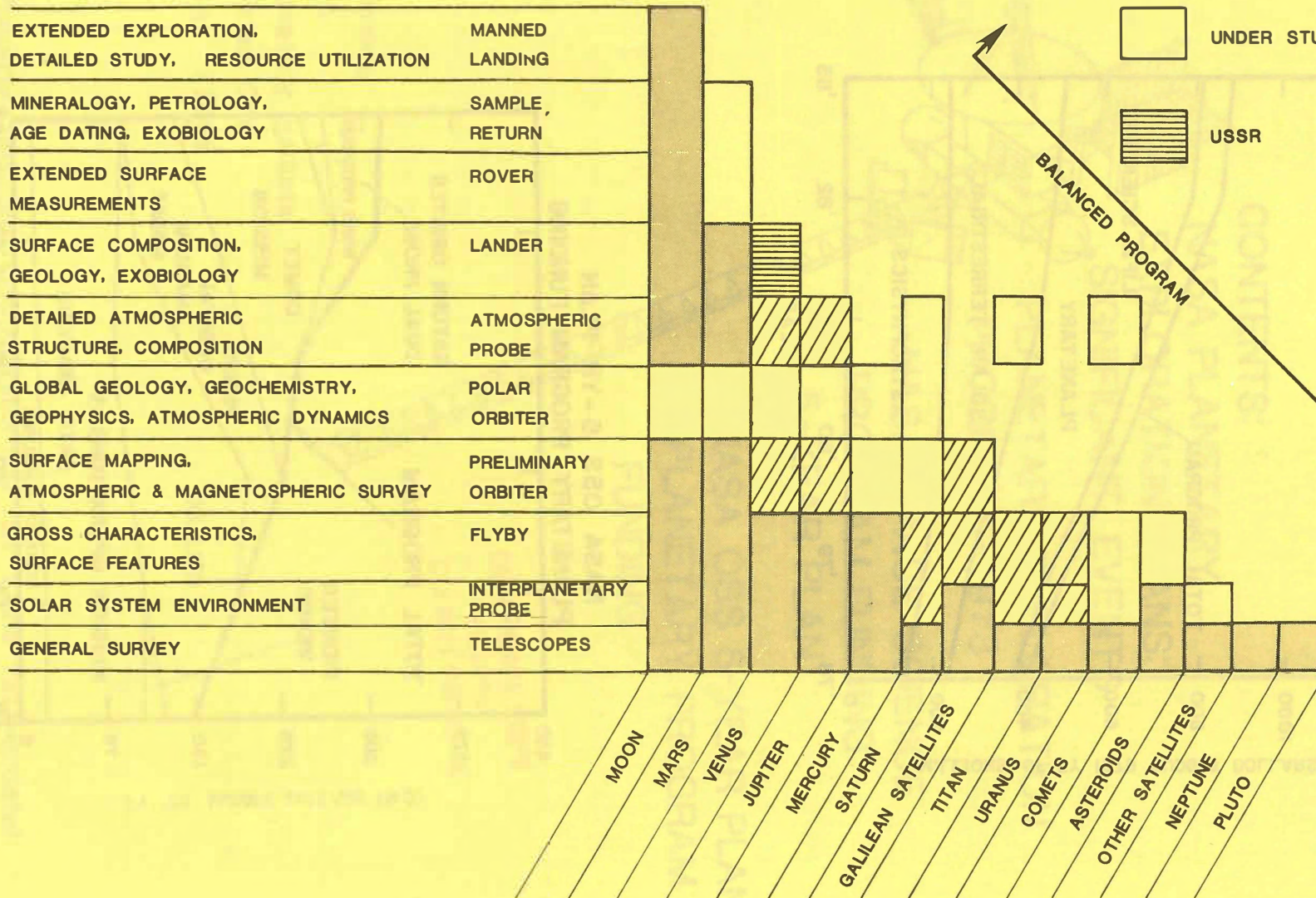
PLANETARY EXPLORATION PROGRESS - 1978

ACCOMPLISHED

APPROVED

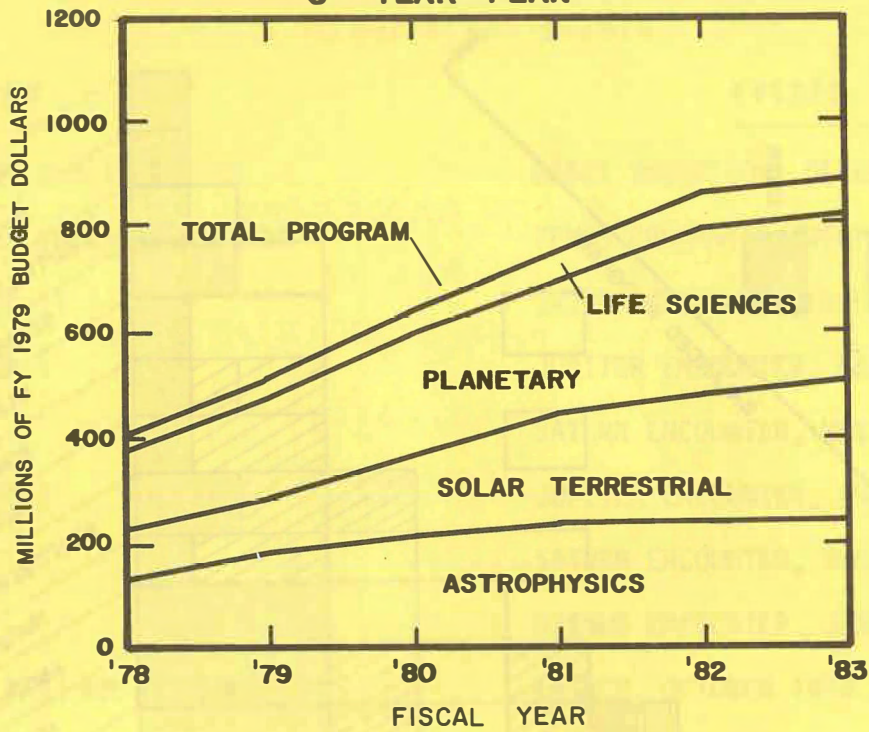
UNDER STUDY

USSR



BALANCED PROGRAM

NASA SPACE SCIENCE PROGRAM FUNDING 5 - YEAR PLAN



NASA OSS 5-YR PLAN PLANETARY PROGRAM FUNDING

