

Supplementary material to:

Arrival angles of teleseismic fundamental mode Rayleigh waves across AlpArray

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Figures S1 – S19

Online-only supplementary material consists of figures S1 – S19. They follow the same scheme as Fig. 11. Arrival-angle deviations for eight selected periods for each event are shown. Note that the number of subarrays for each period generally differs, since we only use subarrays with mean residual lower than 2.0 s for the given period. Arrows show the direction of wave propagation. White dotted lines are the great circles spaced equally with a distance corresponding approximately to a wavelength of 50 s period. The position of the great-circle lines is kept for all the periods to allow for comparison of the stripe position among the different periods. For the Greece event (close to the AlpArray region, Fig. S9), the great-circle lines are set to be 10° apart. For the Indonesia event (Fig. S14), we added 12° to all the arrival-angle deviations, see text and the caption to Fig. 9.

Fig. S1

Alaska M = 7.1 2016-01-24

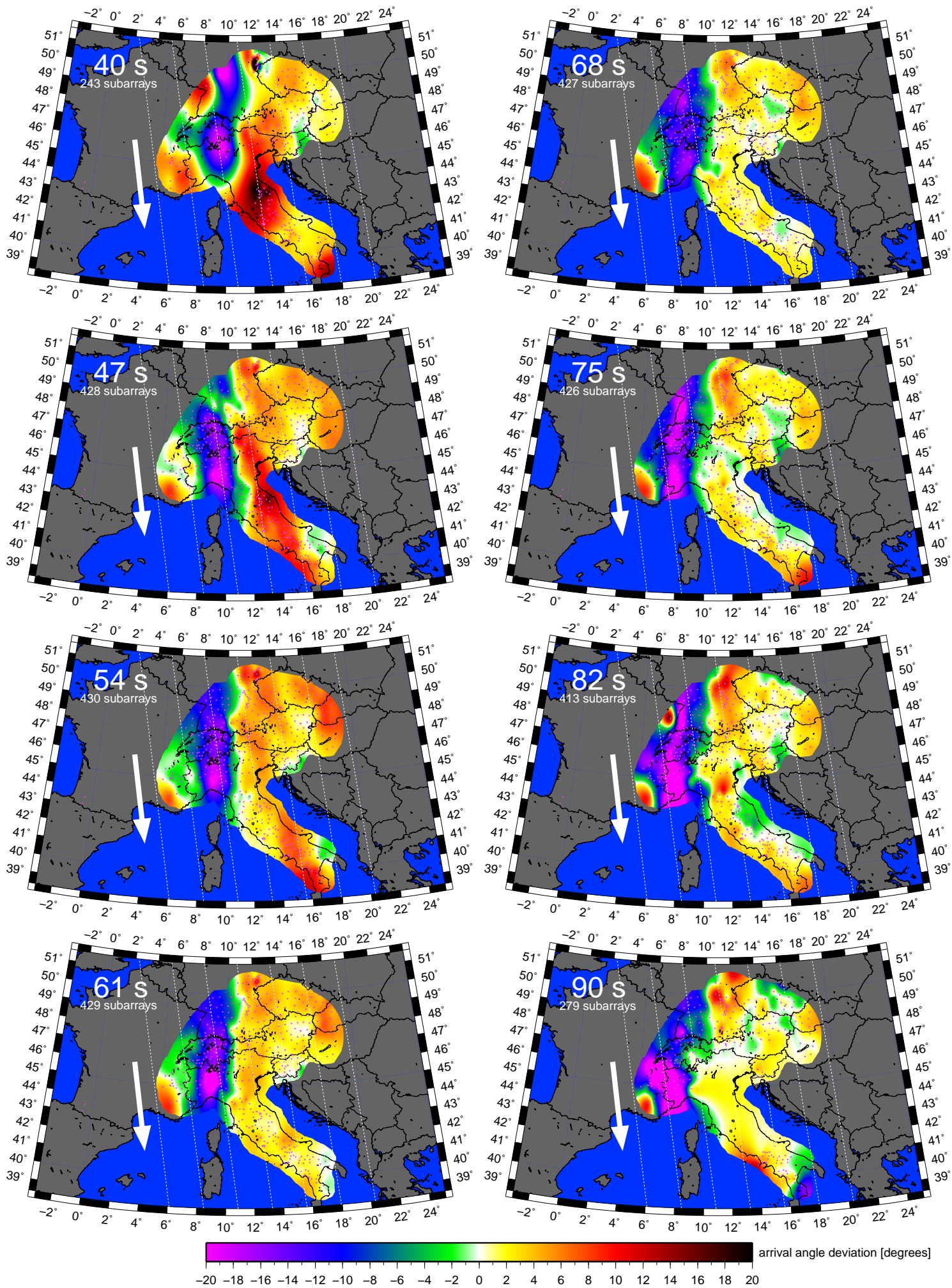


Fig. S2

Kamchatka M = 7.2 2016-01-30

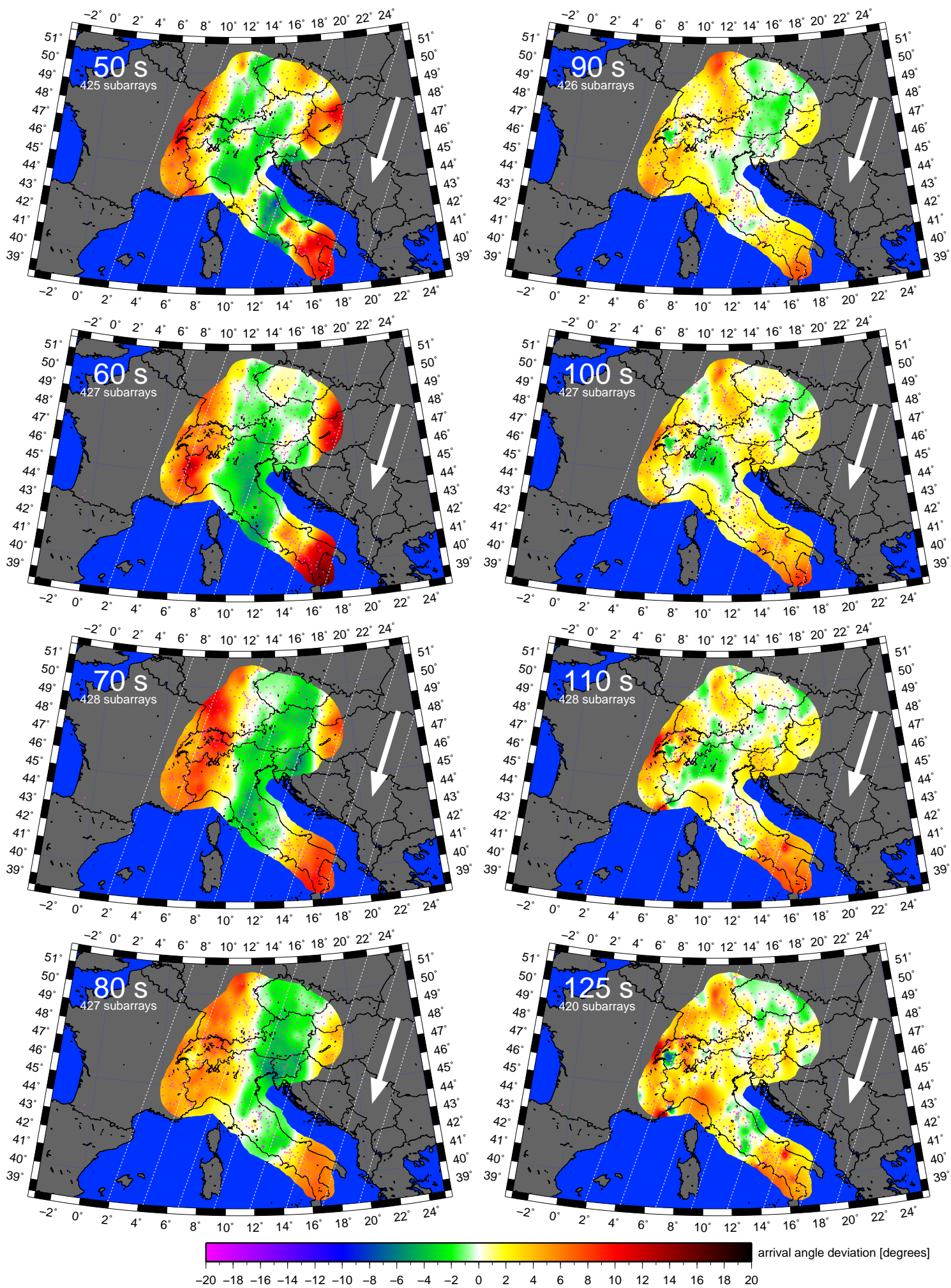


Fig. S3

Sumatra M = 7.8 2016-03-02

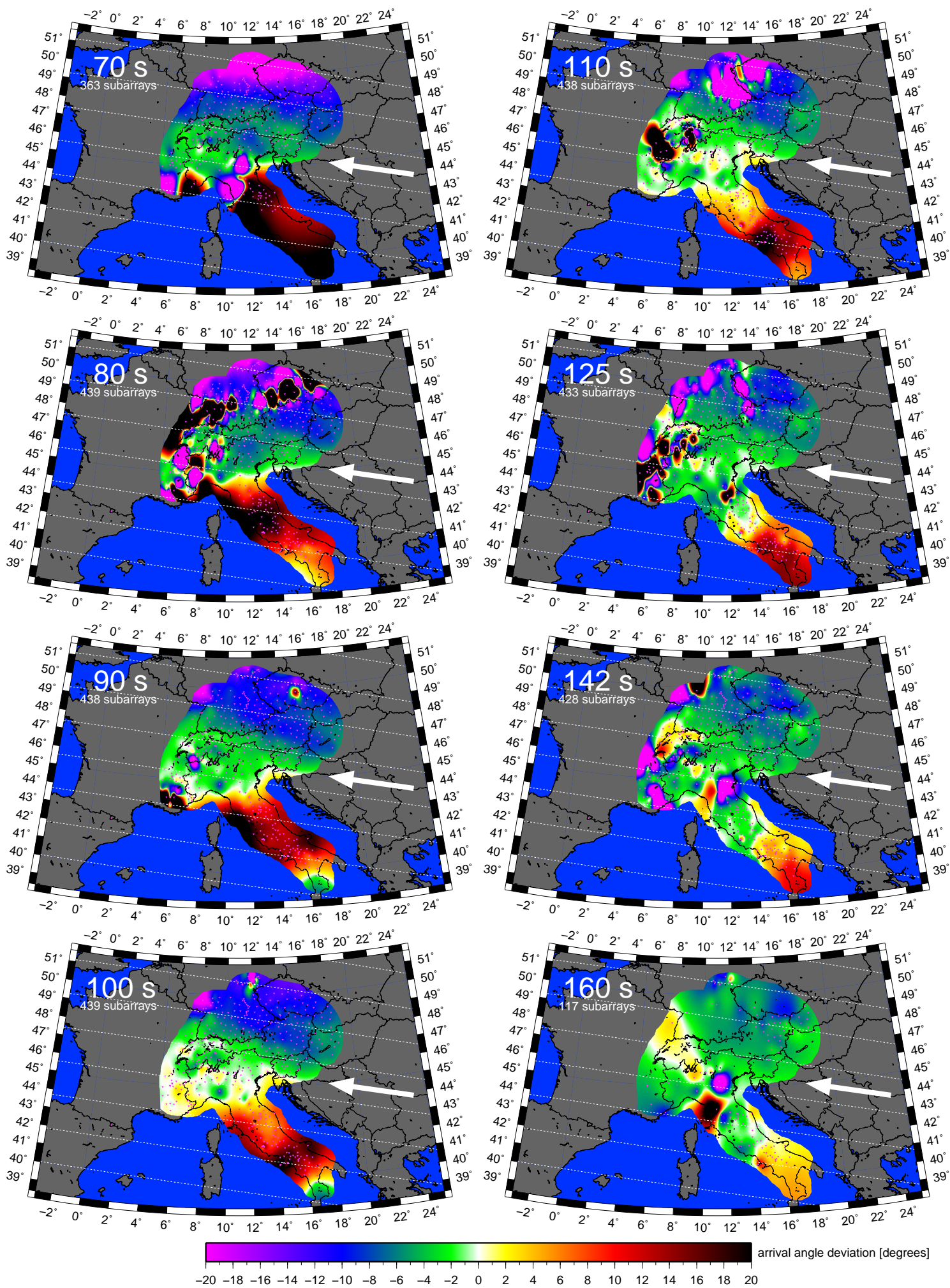


Fig. S4

Ecuador M = 7.8 2016-04-16

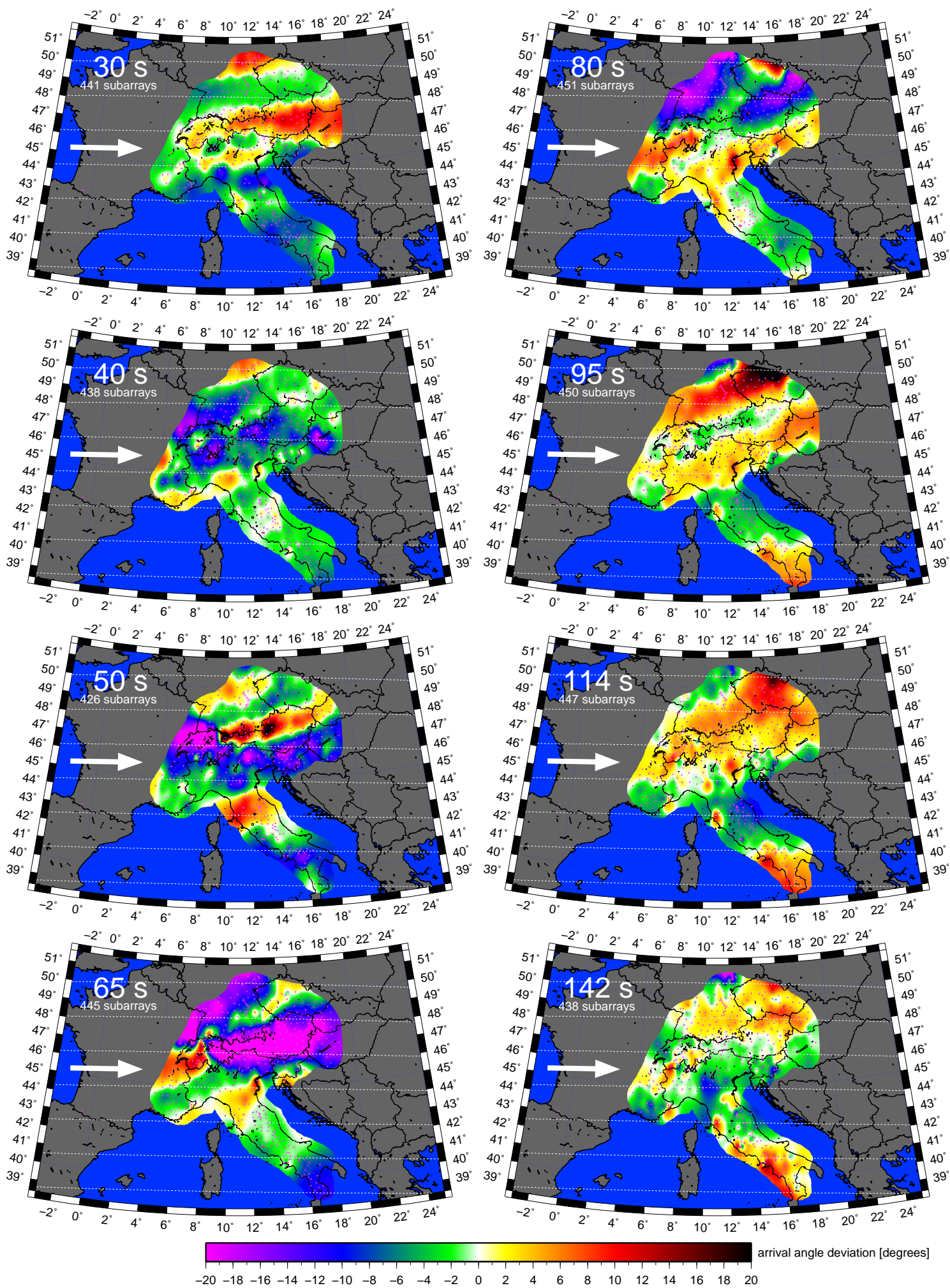


Fig. S5

Ecuador M = 6.9 2016-05-18

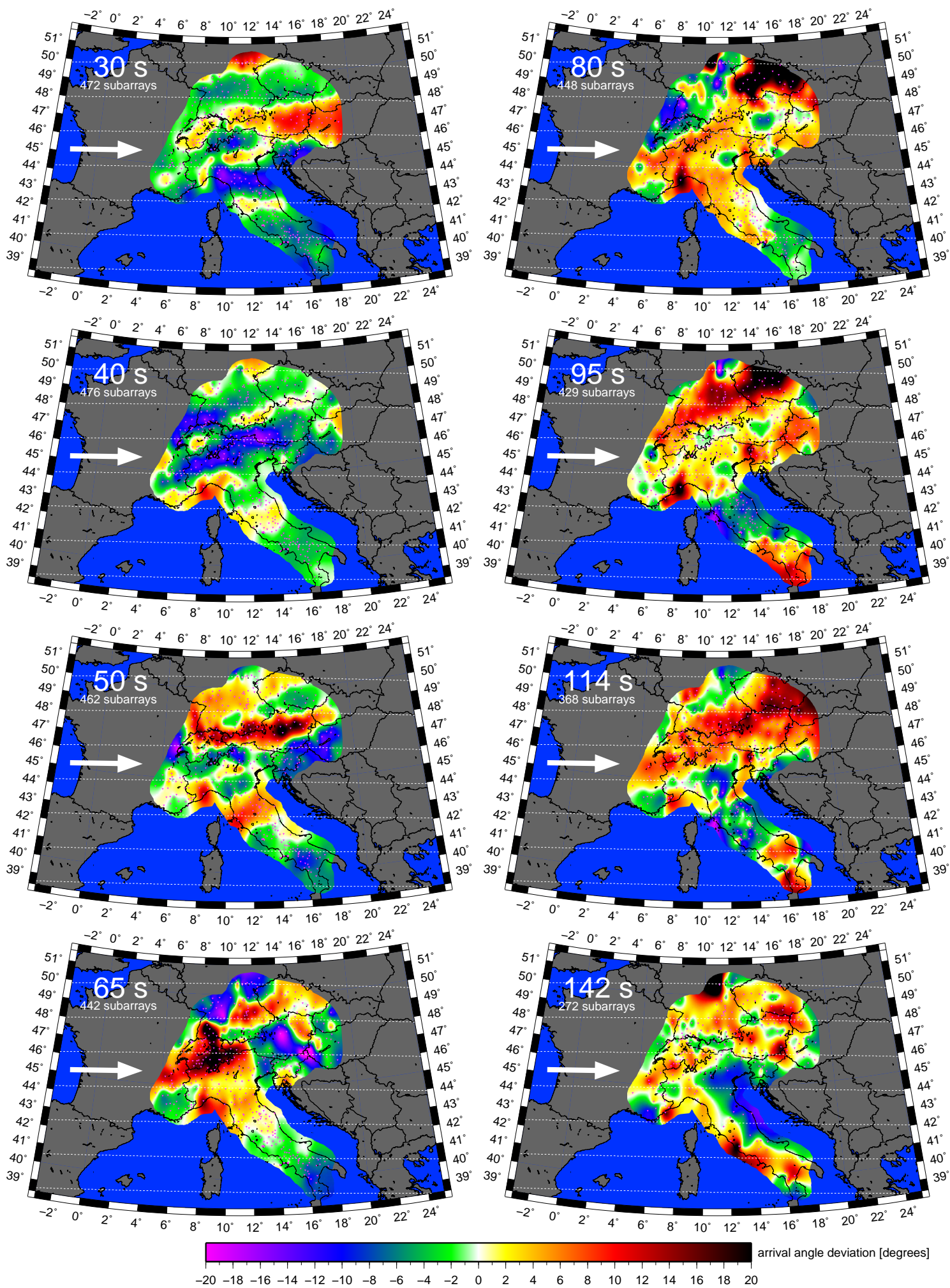


Fig. S6

South Atlantic M = 7.2 2016-05-28

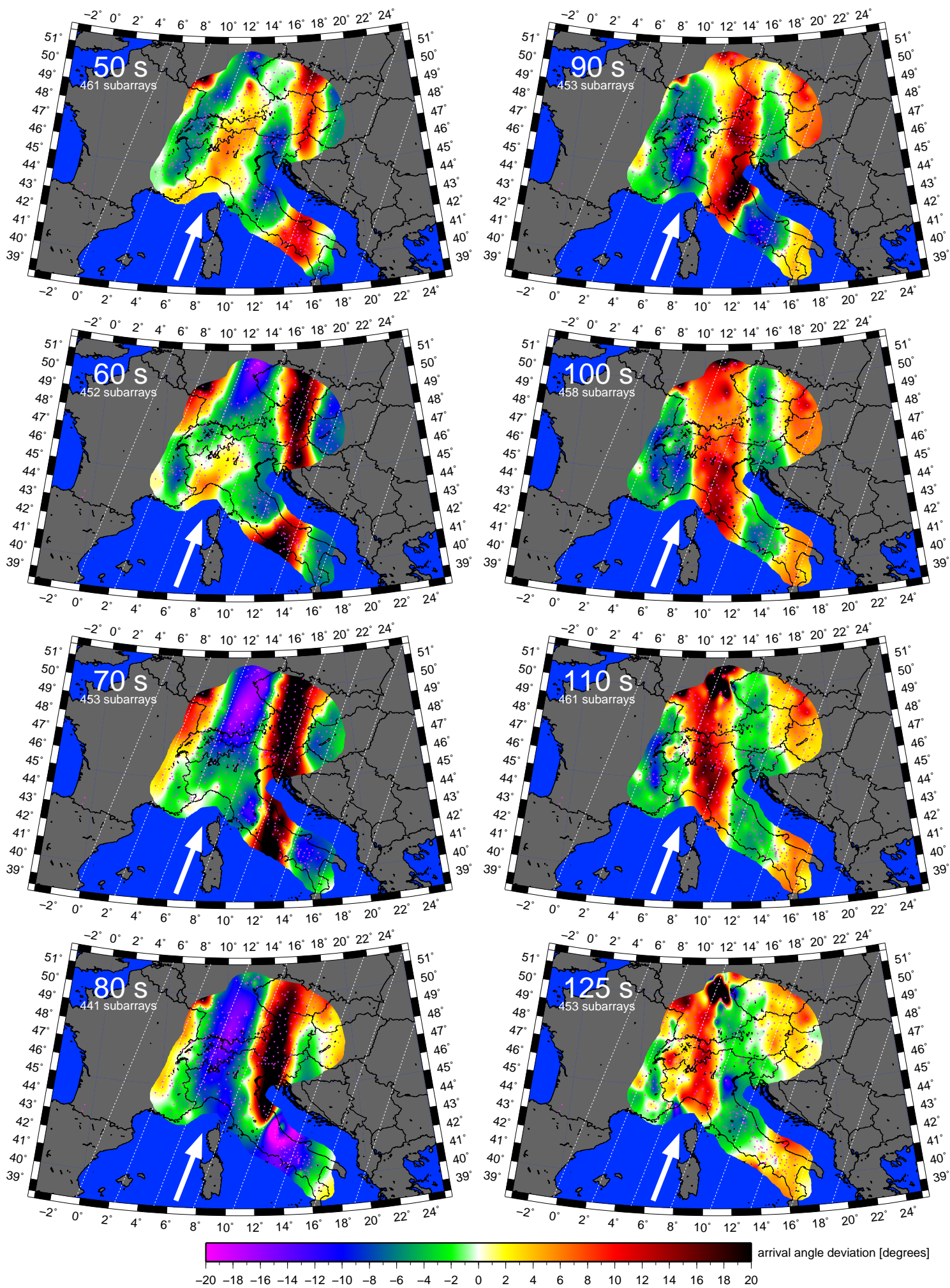


Fig. S7

Mariana Islands M = 7.7 2016-07-29

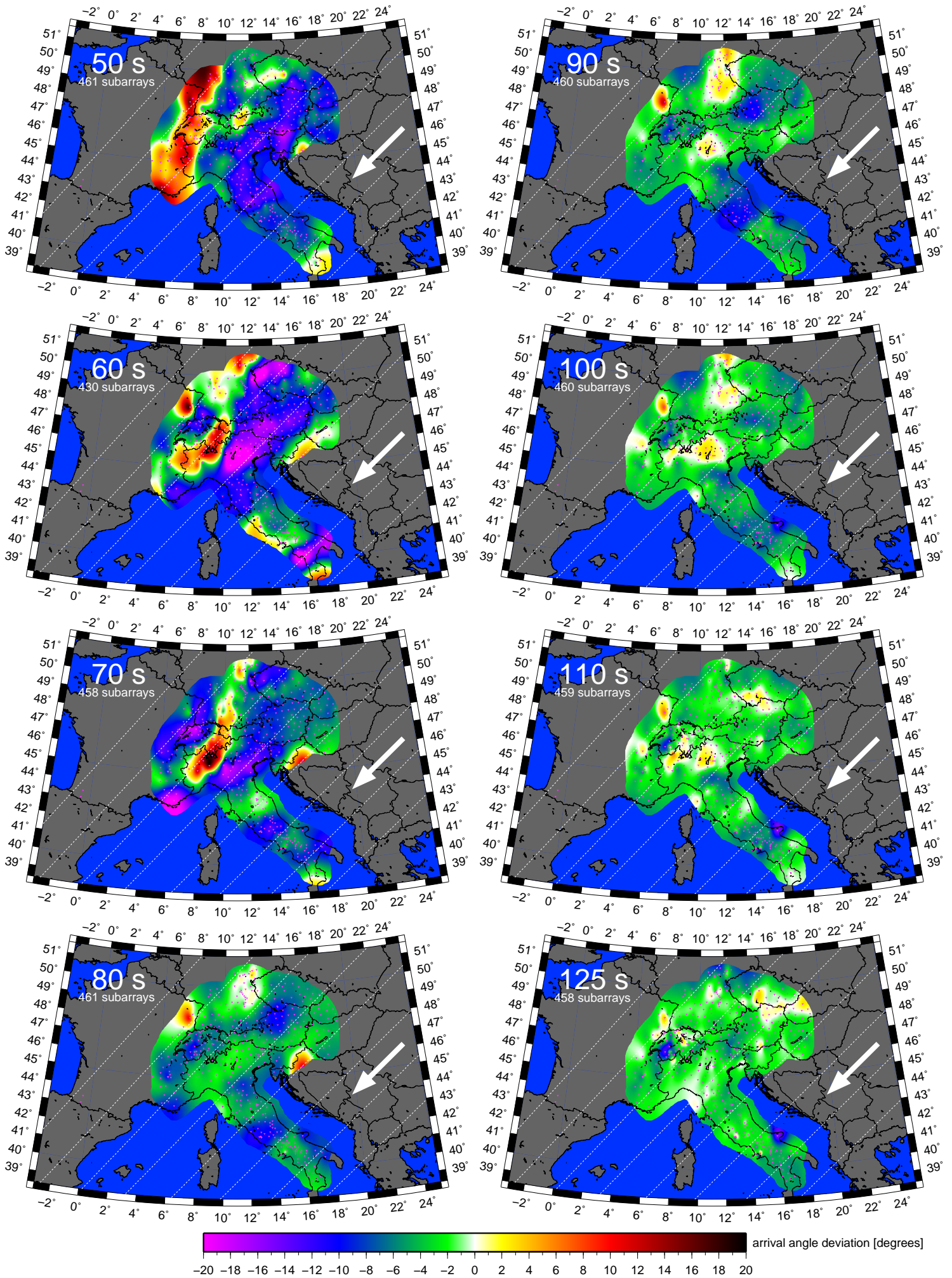


Fig. S8

Ascension Island M = 7.1 2016-08-29

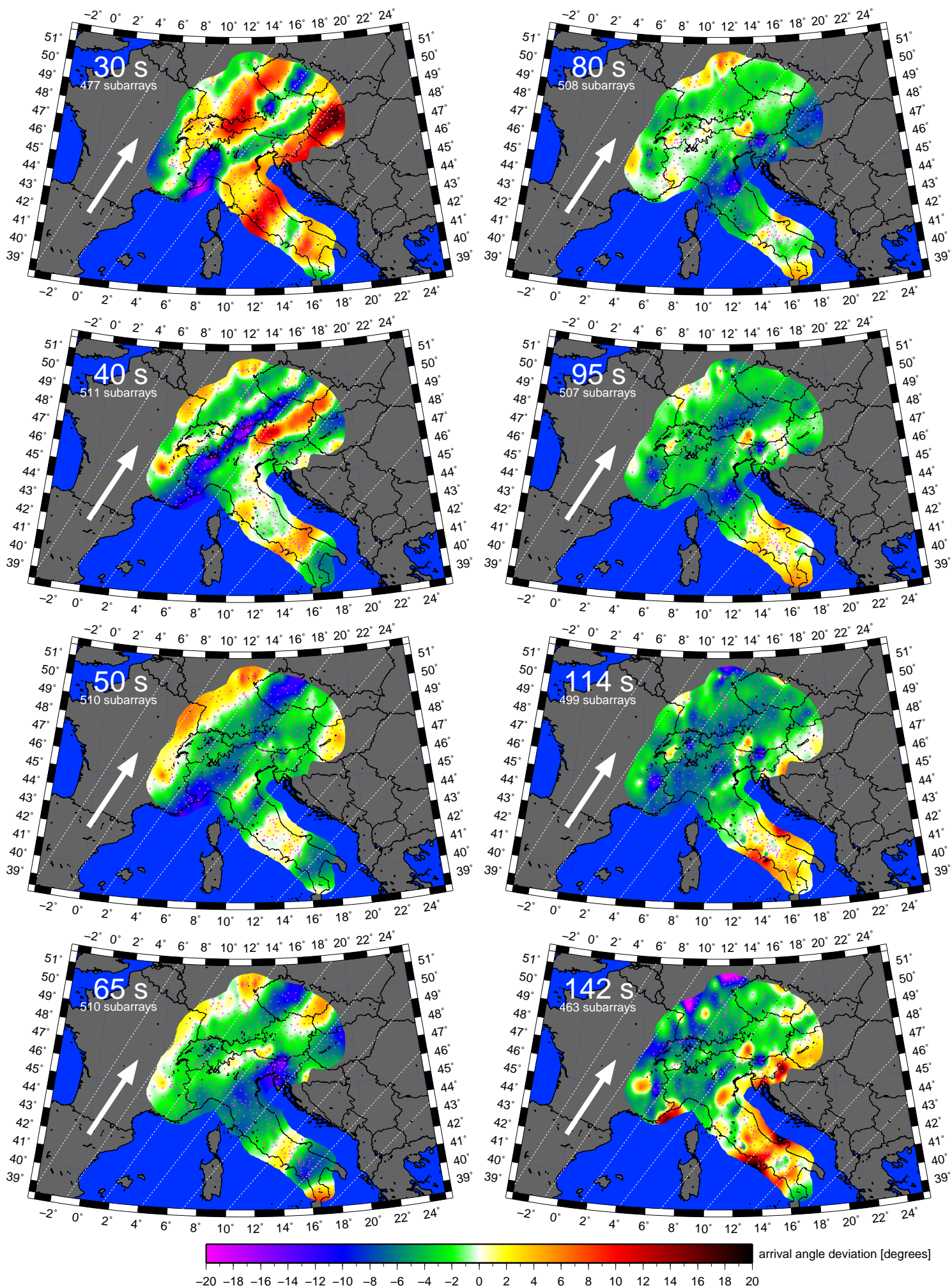


Fig. S9

Greece

M = 5.5

2016-10-15

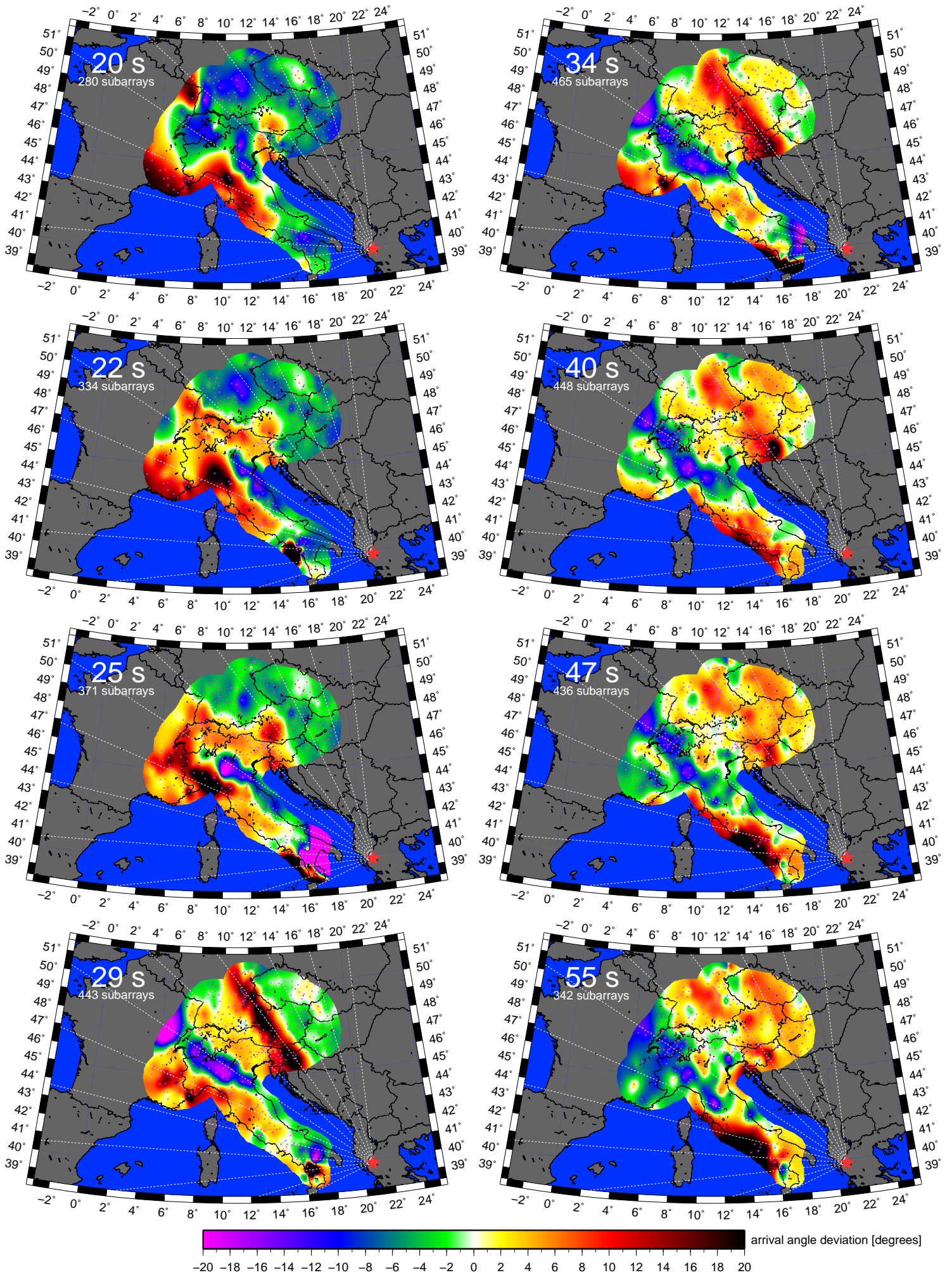


Fig. S10

Japan M = 6.9 2016-11-21

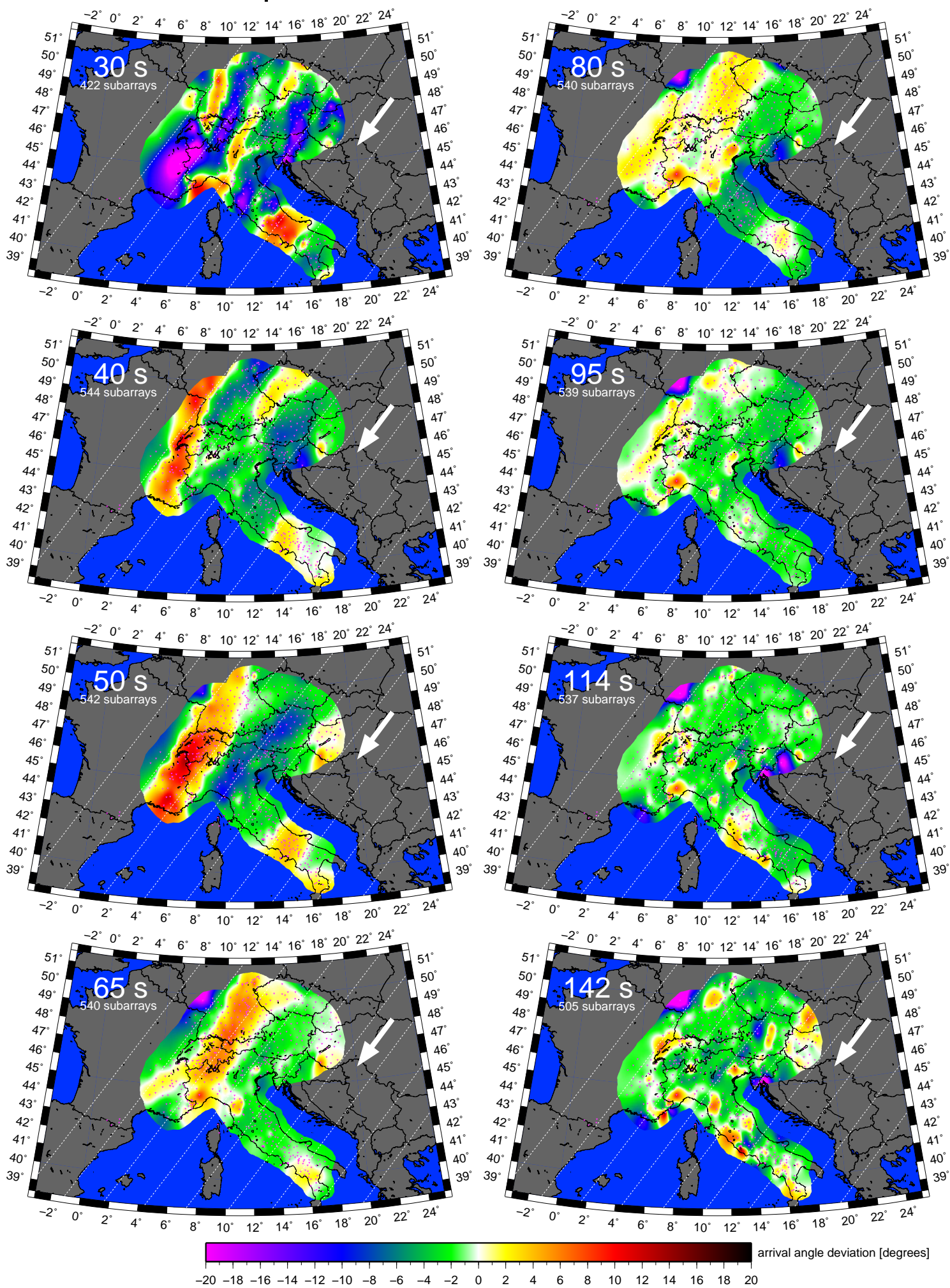


Fig. S11

Tajikistan M = 6.6 2016-11-25

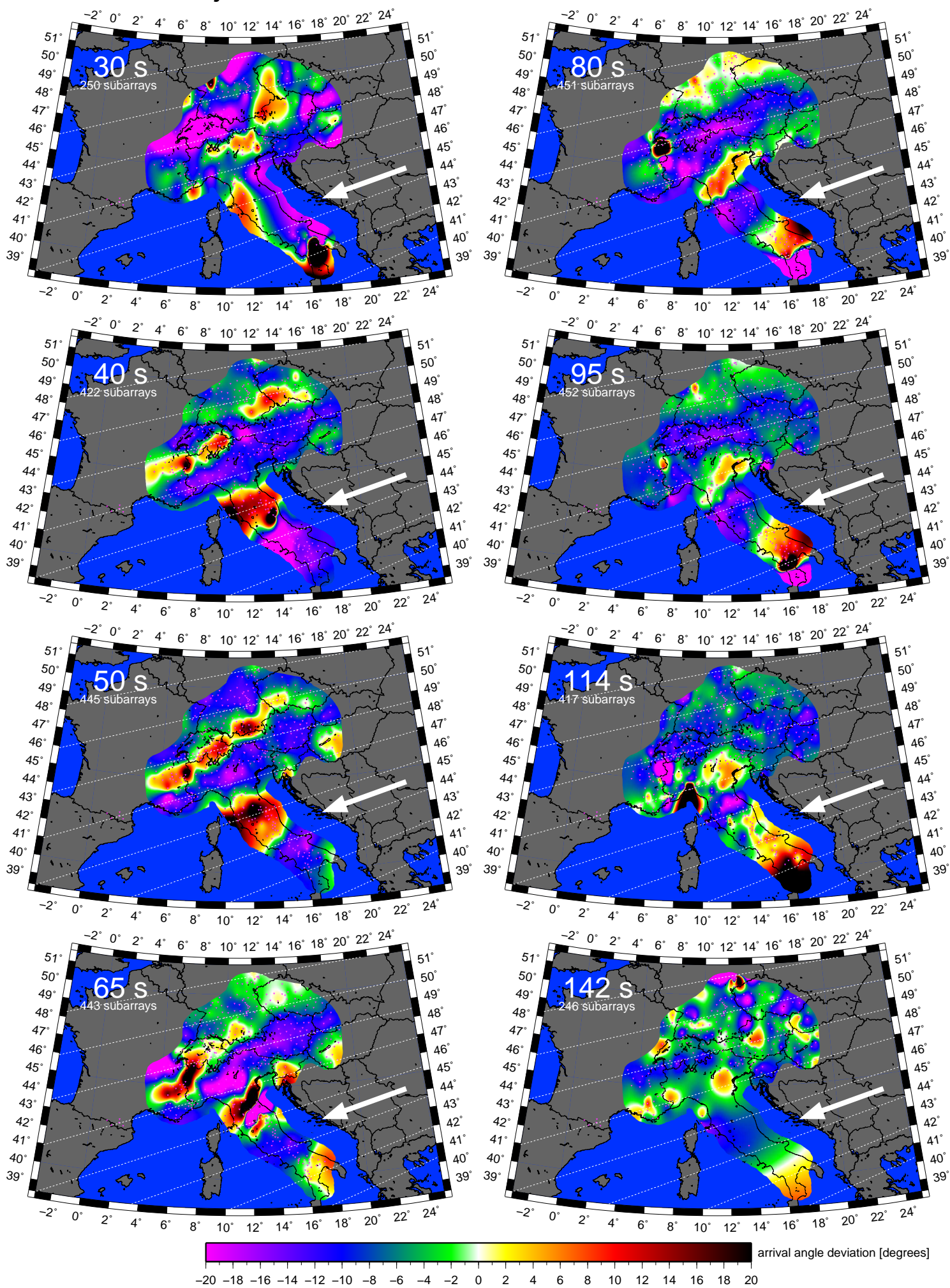


Fig. S12

Chile M = 7.6 2016-12-25

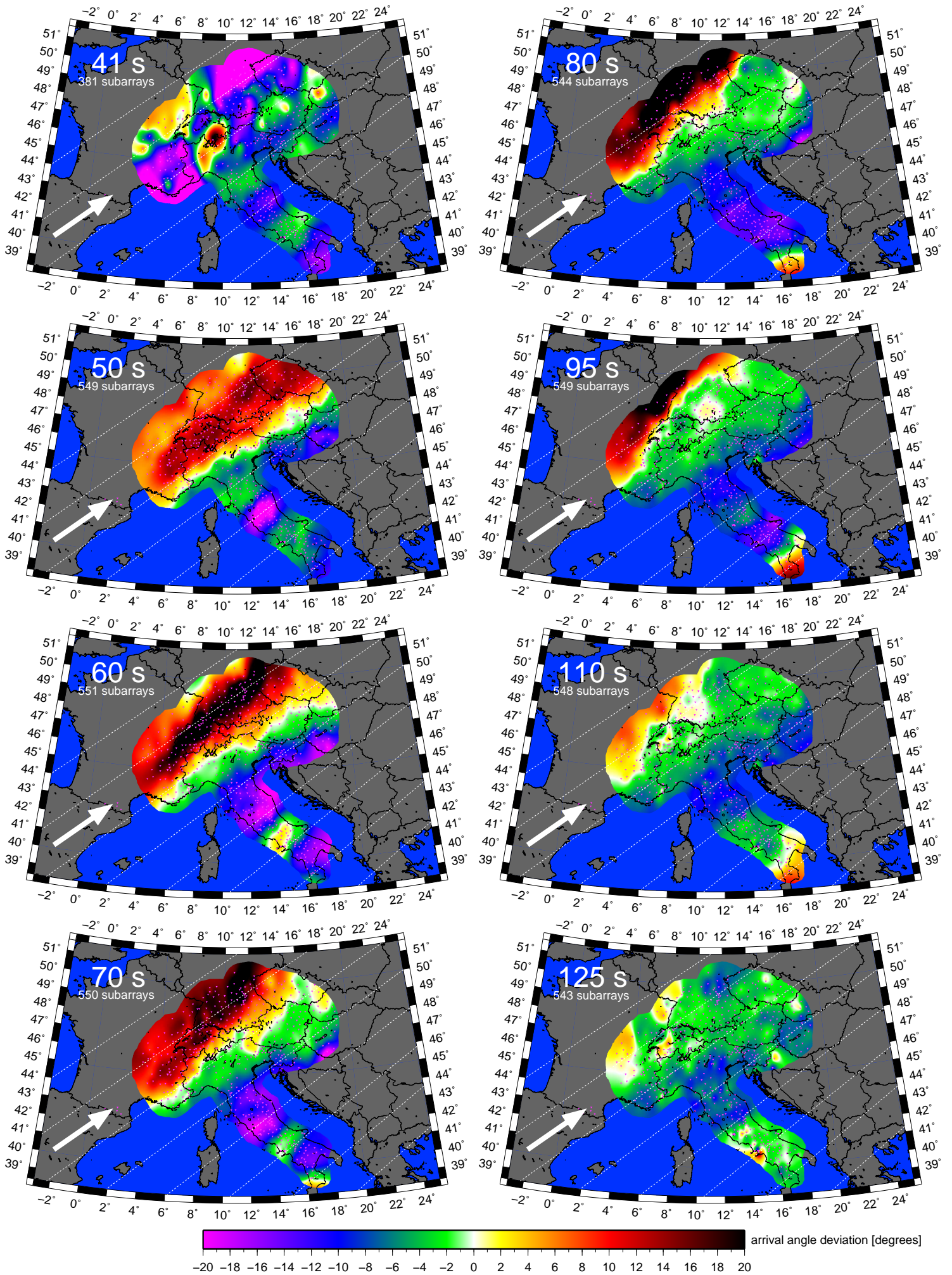


Fig. S13

Papua M = 7.9 2017-01-22

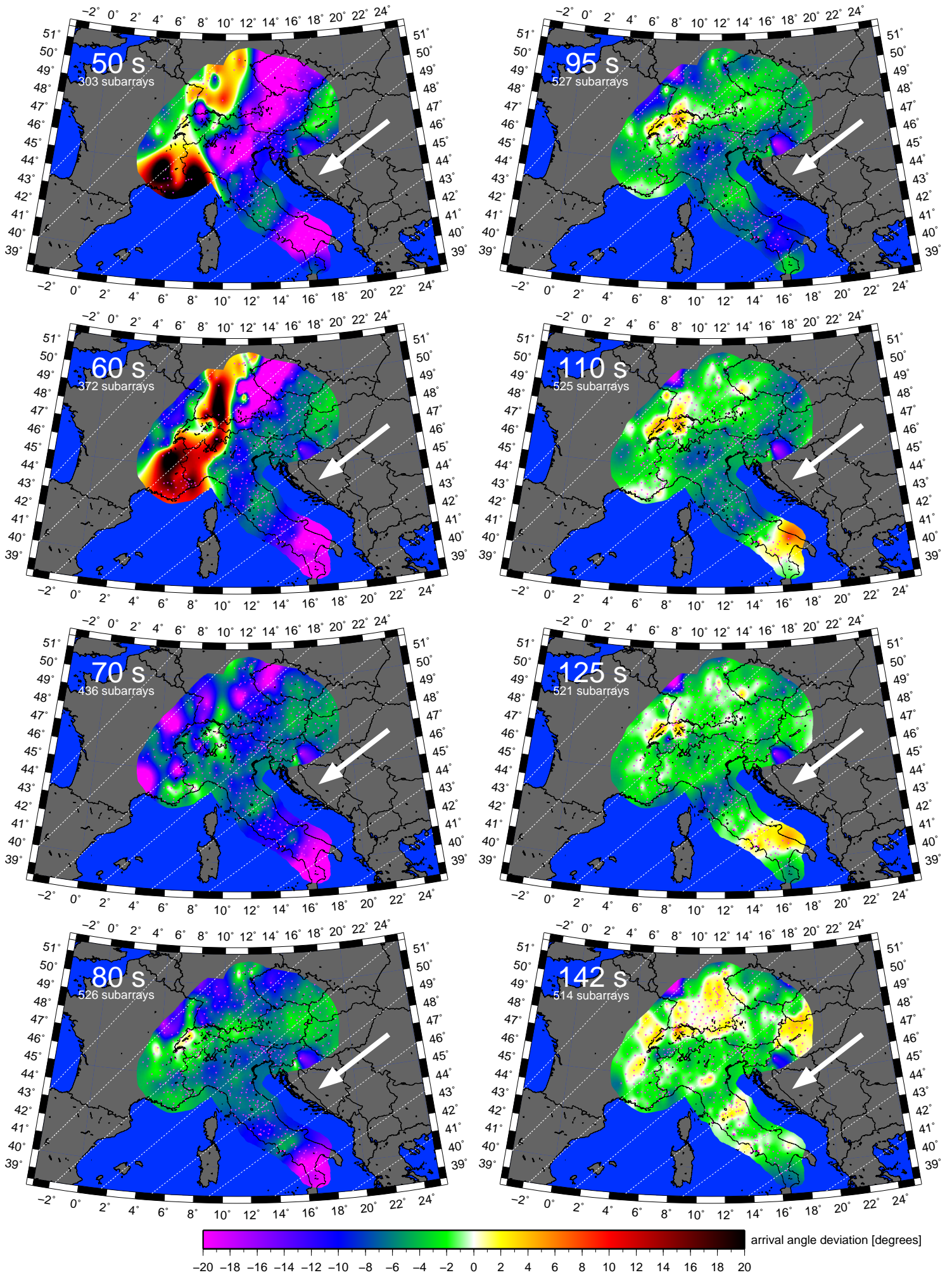


Fig. S14

Indonesia M = 6.6 2017-05-29

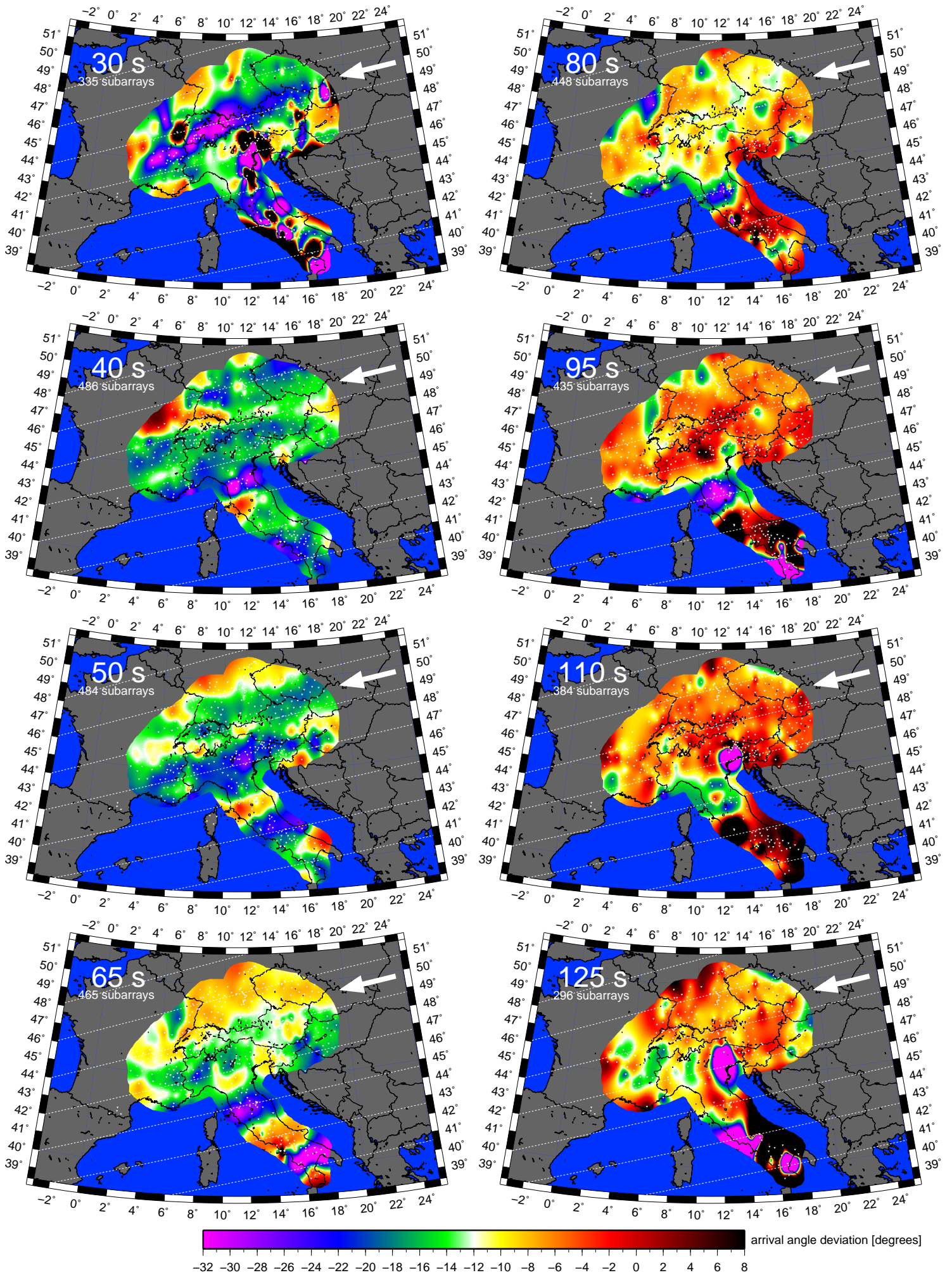


Fig. S15

Aleutian M = 6.8 2017-06-02

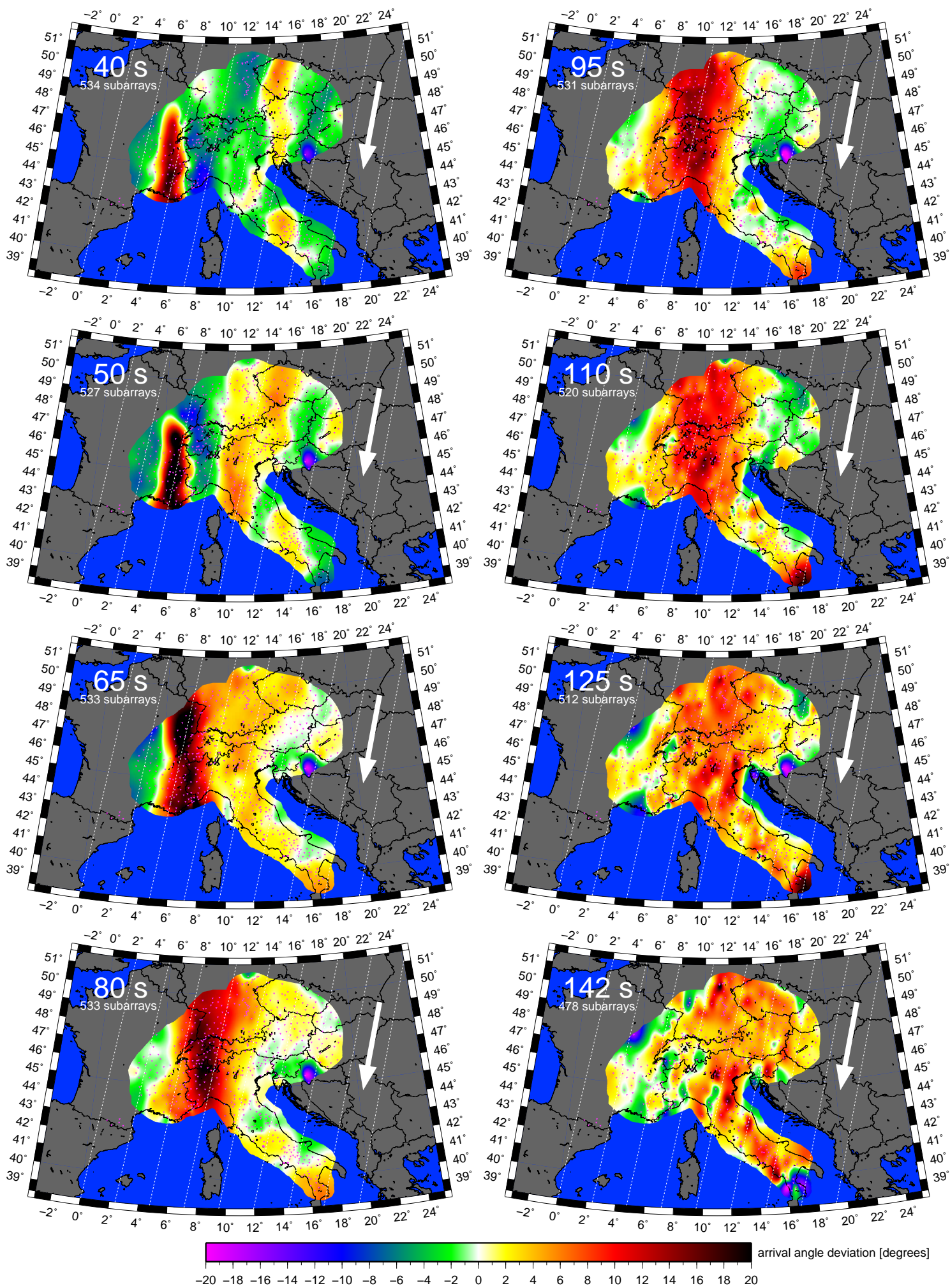


Fig. S16

Guatemala M = 6.9 2017-06-14

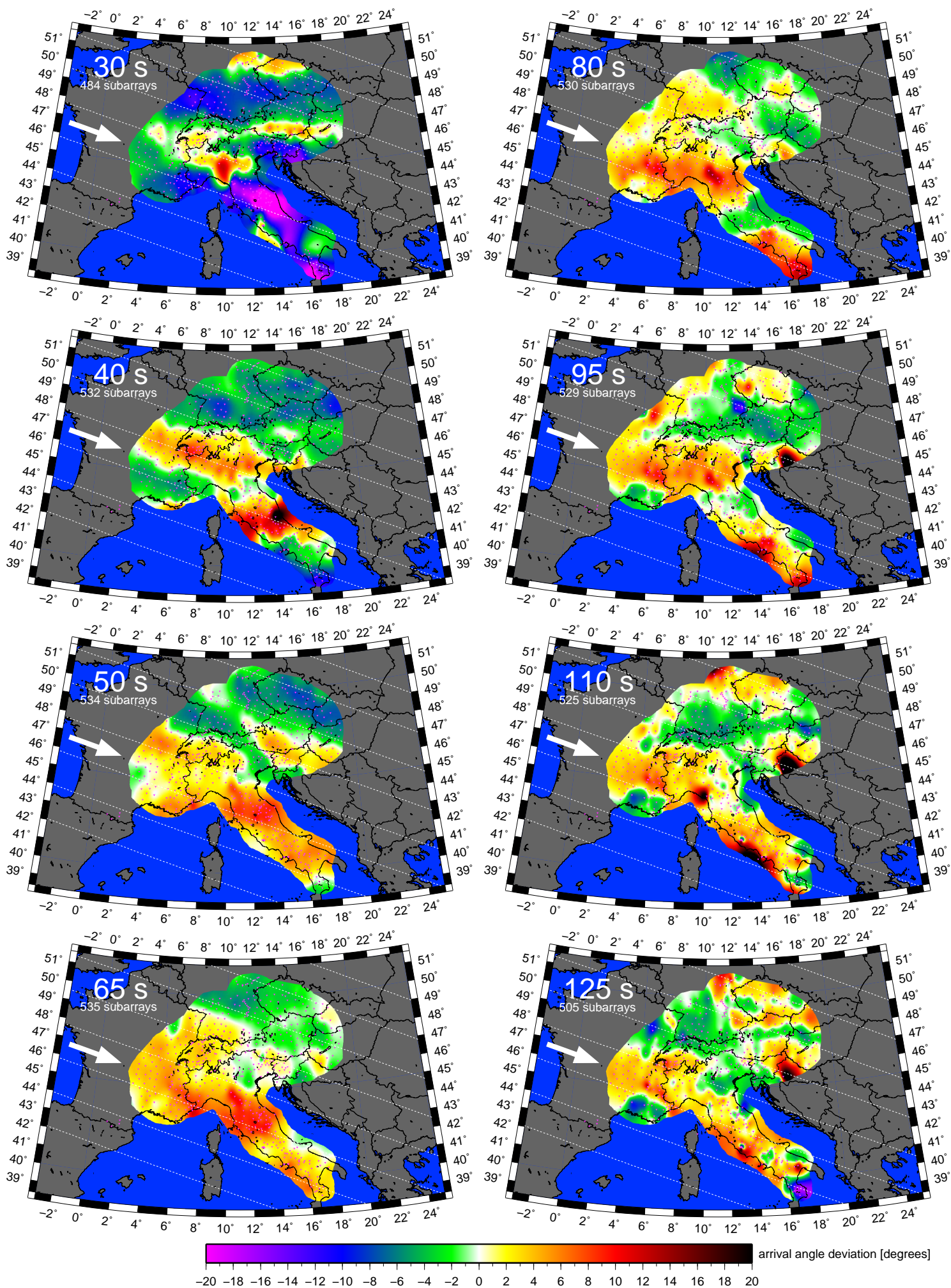


Fig. S17

Komandorskiy M = 7.7 2017-07-17

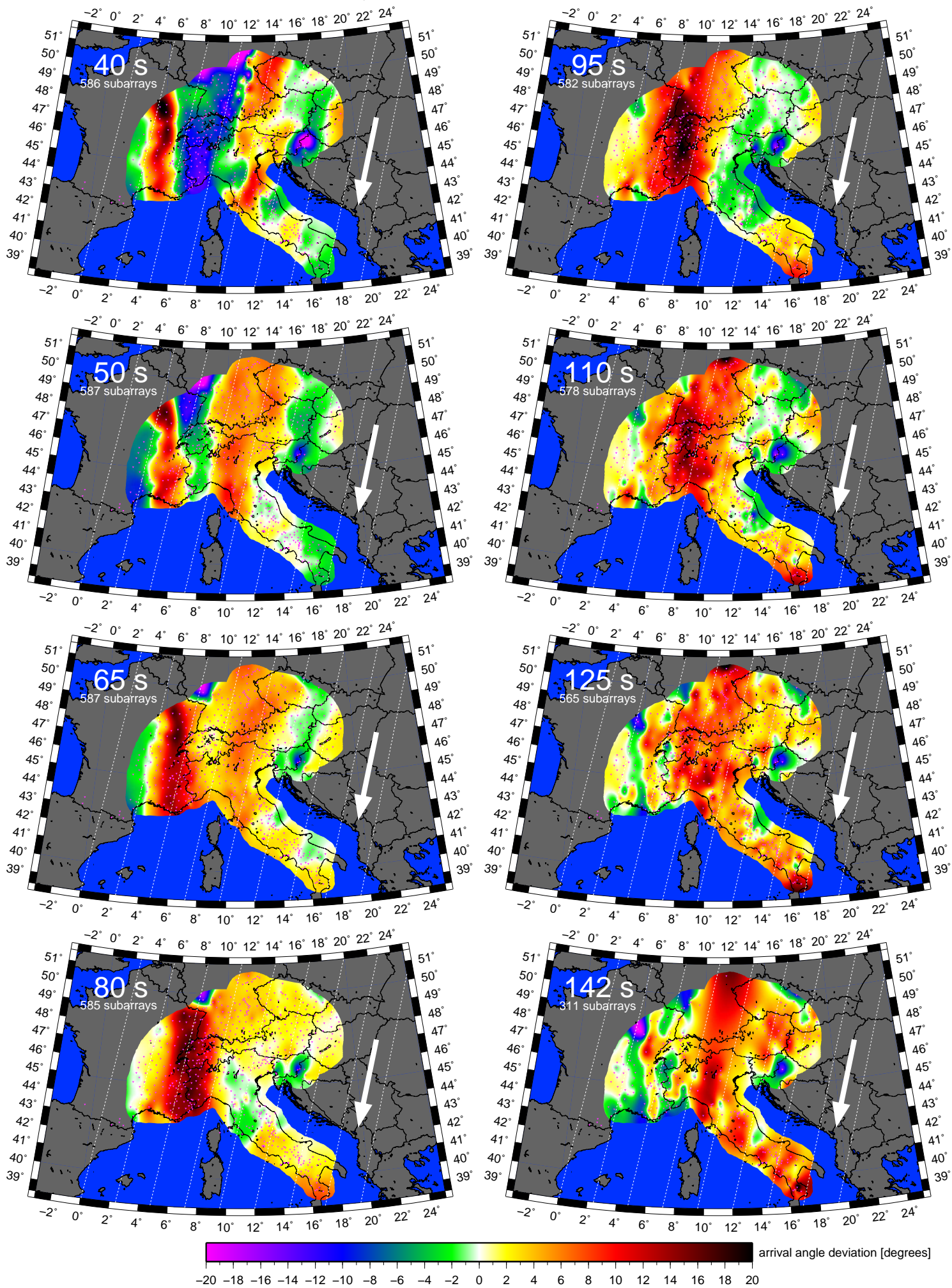


Fig. S18

Mexico M = 8.1 2017-09-08

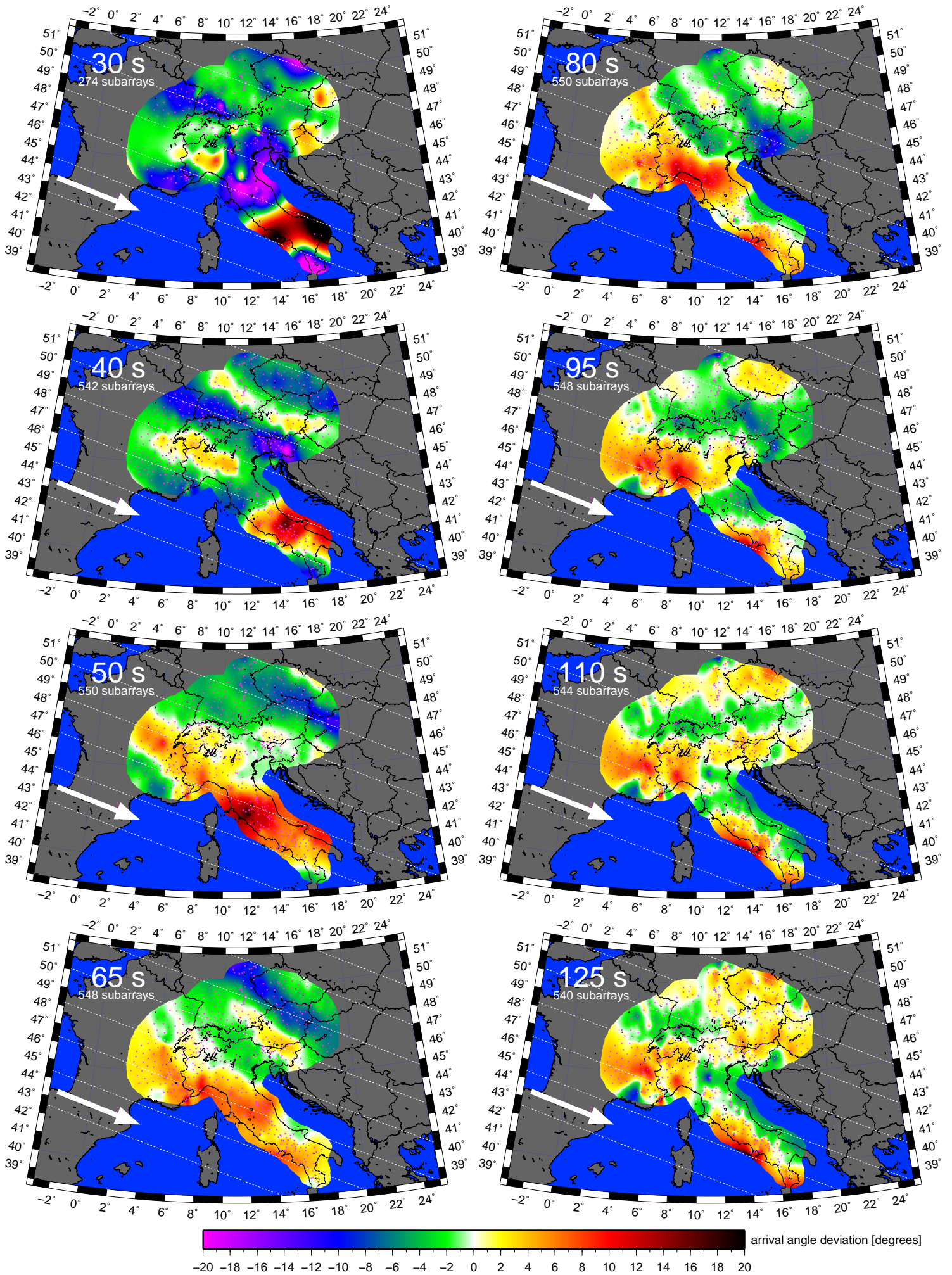


Fig. S19

Bouvet Island $M = 6.7$ 2017-10-10

