

**MSG 008 - RED FD02 EARTH OBS**

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There will be one Earth Obs message per day, with the sites designated for Red and Blue teams.

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BLUE AND RED

MET 00/19:33 Saharan dust offshore. Look right for oblique views of a possible outblow of dust. CVIS. Oblique. Digital Camera 180mm. Atlas page 14.

MET 00/19:49 Northern Iran. Clear weather finally setting in over southern Caspian Sea (left), the Elburz Mountains with snow (nadir), and Tehran just to the right. CVIS. Near Vertical. Oblique. Digital Camera 400mm. Atlas page 17.

MET 00/20:56 Caribbean pass. Lake Maracaibo just left of track. Then Venezuela's capital city of Caracas just right of track on the coast. Then the small islands of the Lesser Antilles. Smoke from Soufriere Volcano may be visible right of track. Near Vertical. Oblique. Digital Camera 180mm. Atlas page 13.

MET 00/21:21 E Mediterranean pass. Cyprus at nadir. Then Damascus just right of track. CVIS. Near Vertical. Digital Camera 180mm. Atlas page 17.

MET 00/21:24 Kuwait and Gulf pass. Nadir pass. Then oblique views to the right of the Persian Gulf states and cities. CVIS. Near Vertical. Oblique. Digital Camera 180mm 400mm. Atlas page 17.

MET 00/22:27 Western Caribbean. Pass over Honduras with capital city Tegucigalpa at nadir (you should see Masaya Volcano, one of Central America's most active, smoking just right of track). Then clear weather continues over the Cayman Islands (nadir) and central Cuba. Near Vertical. Hasselblad 110mm 250mm. Atlas page 12.

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RED

MET 01/03:08 Los Angeles and Edwards AFB. Both just right of track. Then look left for panoramas up the Sierra Nevada. Then a pass over the Grand Canyon at nadir. Near Vertical. Oblique. Digital Camera 180mm 400mm. Atlas page 2.

MET 01/04:42 Napa Valley pass. Look right for the city of San Francisco. Then shoot the Sierras and especially the lakes immediately east of the Sierras (lake size is a proxy for precipitation). Near Vertical. Digital Camera 180mm 400mm. Atlas page 2.

MET 01/04:46 Denver. Nadir pass. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 01/06:17 Second Napa Valley pass. Look right for the Bay Area. Then panoramas of the Sierras. Near Vertical. Oblique. Digital Camera 180mm 400mm. Atlas page 2.

MET 01/06:21 Amarillo and DFW. Amarillo left of track (low oblique). Then ~1.5 minutes later, a nadir pass over Dallas-Fort Worth. Then another 1.5 minutes later a nadir pass over the Mississippi delta and New Orleans. Near Vertical. Oblique. Digital Camera 180mm. Atlas page 2.

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**BLUE AND RED**

MET 01/08:55 South Vietnam. Pass parallel with the Mekong delta coastline. Look left for views toward Ho Chi Minh City. Near Vertical. Oblique. Digital Camera 180mm. Atlas page 20.

MET 01/10:34 Second Yangtze pass. Excellent pass over the point where the Yangtze breaks out of the highlands: look right for views of the complex series of lakes that occupy the valley floodplain (still poorly photographed from low Earth orbit). Good weather continues to the coast. A mapping strip (near vertical, overlapping views) along this sector is of great interest. Near Vertical. Digital Camera 180mm. Atlas page 20.

MET 01/10:38 South Korea. Pass over the southern tip of the peninsula: look right for the island studded coast and left towards Seoul. Near Vertical. Oblique. Digital Camera 180mm. Atlas page 21.

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**BLUE**

MET 01/12:00 Bombay and northern India. Bombay (on the major bay on the west coast) at nadir. Then excellent views left and right of track of the Ganges Plain and Himalayan front ranges. Obliques should reveal smoke from a major event that is making the news. Near Vertical. Oblique. Digital Camera 180mm 400mm. Atlas page 19.

MET 01/13:46 North China Plain. This is home to the largest cluster of people on the planet. Look just left for Beijing (a gray mass). Then look right for detailed views of the fast-changing Yellow River delta. Then you pass right over Pyongyang, the North Korean capital. Visibility may persist as far as Japan and a nadir view of Tokyo-Yokohama. Near Vertical. Oblique. Digital Camera 180mm 400mm. Atlas page 21.