

HFUS 1 BOU 170450  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 198A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 17 JULY 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 6 HOURS.  
ONE SMALL NON-ENERGETIC FLARE WAS REPORTED IN REGION 610 (S12E42)  
AT 162341Z.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. REGION 609 (S08E35)  
APPEARS TO CONTAIN A WEAK DELTA CONFIGURATION. THIS REGION IS  
INTERACTING WITH REGION 610, BUT THE COMPLEX DOES NOT EXHIBIT  
STRONG MAGNETIC GRADIENTS AT THE MOMENT. MAJOR FLARES ARE NOT  
LIKELY FROM THIS COMPLEX WITHOUT CONSIDERABLE GROWTH.

II. THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY QUIET DURING THE  
PAST 6 HOURS. THE FIELD IS EXPECTED TO BE MILDLY UNSETLED TO  
QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 JULY - 19 JULY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JULY 80

PREDICTED 17 JULY - 19 JULY 80/81/81

90-DAY MEAN 16 JULY 71

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JULY 16

ESTIMATED AFR/AP 16 JULY 16/21

PREDICTED AFR/AP 17 JULY - 19 JULY 07/07 - 07/07 - 05/05

SOLTERWARN

BT

HFUS 1 BOU 171430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 198B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 17 JULY 1975

IA. SUBFLARES WITH MINOR X-RAY BURSTS OCCURRED AT 0445, 0527 AND  
1322 FROM REGION 609/610 (S09E30). NO SIGNIFICANT GROWTH HAS  
OCCURRED THERE. THE CONFIGURATION REMAINS SIMPLE WITH LOW MAGNETIC  
- FIELD GRADIENTS. REGION 608 (S10W18) HAS DECAYED FURTHER TO A FAIRLY  
INSIGNIFICANT REGION.

IB. SOLAR EVENTS WILL NOT AFFECT THE APOLLO-SOYUZ LINKUP TODAY.  
EMISSION FROM A CORONAL CONDENSATION ABOVE A RETURNING REGION MAY  
RAISE RADIO FLUX ON 19-20 JULY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST 12  
HOURS AND IS PRESENTLY QUIET. CONDITIONS SHOULD BE PREDOMINANTLY  
QUIET THROUGH THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 17 - 19 JULY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JULY 80

PREDICTED 17 - 19 JULY 78/77/79

90-DAY MEAN 16 JULY 71

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 JULY 13

ESTIMATED AFR/AP 17 JULY 12/15

PREDICTED AFR/AP 17 - 19 JULY 12/15 - 07/07 - 05/05

SOLTERWARN

BT

HXUS BOU 170300

GEOALERT WWA 198 170300

91216 10400 20800 30160 49990

31210 00000 23508 02000 34212 00000

80617 77773 31210 QUIET

23508 ERUPTIVE 34212 QUIET

SOLQUIET MAGQUIET

FIN

SOLTERWARN

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 198

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 JULY 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. SUBFLARES HAVE OCCURRED IN REGION 609 (S06E25) WHERE MINOR GROWTH IS TAKING PLACE. NEW SPOTS AND PLAGUE ALSO HAVE FORMED WITHIN REGION 608 (S09W21) AND AT S12E27 (REGION 612). REGION 610 (S09E32) FORMS A COMPLEX WITH REGIONS 609 AND 612. TOGETHER THIS COMPLEX HAS GRADUALLY TAKEN ON A MORE ACTIVE CONFIGURATION. ARCH FILAMENTS, AN EMBEDDED FILAMENT AND INCREASING MAGNETIC GRADIENTS NEAR CONVOLUTIONS IN THE NEUTRAL LINE SUGGEST IMMINENT ACTIVITY, ALBEIT AT A LOW LEVEL.

IB. FLARES UP TO 1B/CLASS M APPEAR POSSIBLE IN COMPLEX 609-610-612. A RETURNING REGION ON 19-20 JULY IS NOT EXPECTED TO INCREASE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO QUIET AND CONTINUES TO DECREASE IN ACTIVITY. QUIET CONDITIONS SHOULD DOMINATE THE FORECAST PERIOD.

III. EVENT PROBABILITIES            18-20 JULY  
CLASS M                                20/15/10  
CLASS X                                01/01/01  
PROTON                                01/01/01  
PCAF                                  GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED                              17 JULY 79  
PREDICTED                             18-20 JULY 77/79/80  
90-DAY MEAN                         17 JULY 71

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG            16 JULY 13  
ESTIMATED AFR/AP                    17 JULY 14/16  
PREDICTED AFR/AP                    18-20 JULY 07/08 - 05/05 - 05/05  
SOLTERWARN  
BT