

HFUS 3 BOU 290500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 210A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 29 JULY 1977

IA. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. THE MOST SIGNIFICANT  
ACTIVITY HAS BEEN REPORTS OF POSSIBLE ERUPTION OF THE PROMINENCE  
ON THE WEST LIMB BETWEEN S20 AND S50, THE REAPPEARANCE OF SPOTS IN  
REGION 852 (S23W14), AND MINOR ACTIVITY AROUND REGION 849 (N20W71).

IB. THE VERY LOW LEVEL OF SOLAR ACTIVITY WILL CONTINUE THRU THE  
FORECAST PERIOD.

II. A SUDDEN COMMENCEMENT WAS OBSERVED AT BOULDER AT 29/0028Z.  
ACTIVE GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED SINCE THAT TIME.  
THE FIELD IS EXPECTED TO REMAIN ACTIVE FOR THE NEXT 12 HOURS  
DECREASING TO GENERALLY UNSETTLED CONDITIONS AT THE END OF THE  
THREE DAY PERIOD. POSSIBLE SOURCE OF THIS DISTURBANCE IS THE  
AREA OF THE ERUPTIVE PROMINENCE ON THE EAST LIMB N35 ON 19 JULY.

III. EVENT PROBABILITIES 29-31 JULY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JULY 85

PREDICTED 29-31 JULY 85/85/84

90-DAY MEAN 28 JULY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JULY 02

ESTIMATED AFR/AP 28 JULY 05/05

PREDICTED AFR/AP 29-30 JULY 18/15 - 10/10 - 07/07

SOLTERWARN

BT

HFUS 3 BOU 291500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 210-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 29 JULY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 849 (N20W77) HAS  
DISPLAYED ENHANCED PLAGE DURING THE PAST 8 HOURS AND PRESENTLY  
CONTAINS 6 SPOTS. REGION 851 (N15W34) PRESENTLY CONTAINS 1  
SPOT AND APPEARS QUIET AND STABLE. REGION 852 (S25W15) IS PRESENTLY  
SPOTLESS. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED CONTINUE TO BE VERY LOW WITH THE  
OCCURENCE OF C-CLASS SUBFLARES POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE SINCE THE OCCURENCE OF  
A SUDDEN COMMENCEMENT OBSERVED AT BOULDER AT 29/0028Z. THE FIELD IS  
EXPECTED TO BE ACTIVE TO UNSETTLED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 29 - 31 JULY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JULY 85

PREDICTED 29 - 31 JULY 85/85/84

90-DAY MEAN 28 JULY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JULY 02

ESTIMATED AFR/AP 28 JULY 05/04

PREDICTED AFR/AP 29 - 31 JULY 43/45 - 22/30 - 18/25

SOLTERWARN

BT

HFUS 1 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 210

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 29 JULY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 849 (N21W83) CONTINUES  
TO DISPLAY ENHANCED PLAGE AND CONTAINS 2 SMALL SPOTS. REGION 851  
(N17W38) REMAINS AN H ALPHA WITH A NW-SE NEUTRAL LINE. THE  
PROMINENCE AT SW45 IS PRESENTLY DIFFUSE BUT STILL EXTENDS TO .2  
SOLAR RADII. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET  
AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT VERY LOW  
LEVEL WITH THE OCCURENCE OF C-CLASS SUBFLARES POSSIBLE.

II. THE GEOMAGNETIC FIELD WAS AT MAJOR TO MINOR STORM LEVELS FROM  
0030Z - 1800Z AND IS PRESENTLY ACTIVE. THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE GENERALLY ACTIVE WITH SHORT PERIODS OF MINOR STORM  
CONDITIONS POSSIBLE.

III. EVENT PROBABILITIES 30 JULY - 01 AUGUST

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JULY 84

PREDICTED 30 JULY - 01 AUGUST 84/84/83

90-DAY MEAN 29 JULY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JULY 05

ESTIMATED AFR/AP 29 JULY 49/52

PREDICTED AFR/AP 30 JULY - 01 AUGUST 25/30 - 18/20 - 15/15

SOLTERWARN

BT

S-4