

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 UNSETLED 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 TO 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 UNSETLED 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

5-4