

HFS 3 BOU 050500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 278A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 05 OCTOBER 1977

- IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE DISK REGIONS APPEAR TO BE DECAYING SLOWLY OR ARE UNCHANGED.
THE ACTIVE PROMINENCE ON THE NORTH-EAST LIMB CONTINUES ITS ACTIVITY.
IB. SOLAR ACTIVITY SHOULD INCREASE AS THE REGION ON THE EAST LIMB
MAKES ITS TRANSIT. THE REST OF THE DISK WILL REMAIN STABLE.
II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED. IT IS
EXPECTED THE FIELD WILL BE UNSETLED DURING THE FORECAST PERIOD.
III. EVENT PROBABILITIES 05-07 OCT

CLASS M 10/30/40

CLASS X 05/10/10

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 OCT 099

PREDICTED 05-07 OCT 100/107/110

90-DAY MEAN 04 OCT 089

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 OCT 10

ESTIMATED AFR/AP 04 OCT 10/09

PREDICTED AFR/AP 05-07 OCT 14/12 - 15/14 - 15/15

SOLTERWARN

BT

HFUS 3 BOU 051500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 278-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 05 OCT 1977

IA. REGION 908 (N09E90), THE RETURN OF REGION 889, PRODUCED A M-1 FLARE AT 1316Z AND A C-2 AT 0807Z. SPOTS HAVE BEEN REPORTED AT THIS LOCATION BY THE MARSHALL SPACEFLIGHT CENTER OBSERVATORY, NEAR CONTINUOUS SURGE ACTIVITY AND PROMINENCE ACTIVITY ARE ALSO PRESENT. BACKGROUND X-RAYS ARE AT C-LEVEL. ENHANCEMENTS WERE REPORTED IN REGION 899 (N31W45) AND ADDITIONAL SPOTS HAVE BEEN REPORTED WEST OF THE LEADER. ALL OTHER REGIONS APPEAR STABLE OR DECLINING.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL, WITH INFREQUENT CLASS M FLARES FROM REGION 908 AND TO A LESSER DEGREE FROM 899.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET WITH BRIEF UNSETTLED PERIODS. SIMILAR CONDITIONS ARE EXPECTED THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 - 07 OCT

CLASS M 10/30/40

CLASS X 05/10/10

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 OCT 099

PREDICTED 05-07 OCT 105/108/111

90-DAY MEAN 04 OCT 089

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 OCT 10

ESTIMATED AFR/AP 04 OCT 10/09

PREDICTED AFR/AP 05-07 OCT 14/12 - 15/14 - 15/15

SOLTERWARN

BT

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 278

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 5 OCT 1977

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY WITH THE RETURN OF OLD REGION 889 - NOW REGION 908 (N10E85). THIS REGION AND THE ENTIRE EAST LIMB FROM N05 TO N30 HAS BEEN REPORTED ACTIVE WITH SURGE, PROMINENCE AND SMALL FLARE TYPE ACTIVITY. AN EPL WAS REPORTED AT 0807Z ACCOMPANIED BY A C-2 X-RAY EVENT AND THE SMALL FLARE AT 1316Z WAS ACCOMPANIED BY AN M-1 X-RAY AND SMALL RADIO ACTIVITY. AT LEAST 4 SPOTS HAVE ROTATED ON TO THE DISK AT THIS LOCATION. REGION 899 (N29W52) HAS ALSO BEEN ACTIVE; PRODUCING SMALL C CLASS EVENTS APPARENTLY FROM THE NEW PLAGE WEST OF THE LEADER. X-RAY BACKGROUND LEVELS HAVE BEEN RUNNING AT CLASS C LEVELS FOR THE PAST 12 HOURS. REMAINDER OF THE DISK IS QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL. CLASS M EVENTS AT A RATE OF ONE/DAY ARE EXPECTED. REGION 908 IS EXPECTED TO BE THE MAIN SOURCE, HOWEVER, REGION 899 SHOULD BE MONITORED FOR NEW GROWTH. ADDITIONAL REGIONS MAY BE ON EAST LIMB NORTH OF 908.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE GENERALLY QUIET. CONDITIONS SHOULD GRADUALLY INCREASE THRU THE NEXT THREE DAYS TO BECOMING UNSETTLED ON THE 8TH.

III. EVENT PROBABILITIES 06-08 OCT

CLASS M 80/80/80

CLASS X 10/20/20

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 OCT 109

PREDICTED 06-08 OCT 115/120/120

90-DAY MEAN 05 OCT 089

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 OCT 08

ESTIMATED AFR/AP 05 OCT 08/07

PREDICTED AFR/AP 06-08 OCT 10/12 - 10/14 - 14/14