

HFUS 3 BOU 140500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 257A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 14 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
REGION 889 (N08E19) CONTINUES TO DECAY AT A VERY SLOW RATE. REGION
80 (N17E09) IS QUIET BUT HAS SHOWN SOME GROWTH. THE REST
OF THE DISK AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. THE TWO REGIONS
ON THE DISK ARE BOTH CAPABLE OF FLARE PRODUCTION.

II. THE GEOMAGNETIC FIELD IS ACTIVE WITH A MINOR GEOMAGNETIC STORM
IN PROGRESS. THE DISTURBED CONDITIONS WILL CONTINUE DURING THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 14 SEPTEMBER-16 SEPTEMBER

CLASS M 50/50/50

CLASS X 25/25/25

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 SEPTEMBER 112

PREDICTED 14-15 SEPTEMBER 116/119/121

90-DAY MEAN 13 SEPTEMBER 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 SEPTEMBER 06

ESTIMATED AFR/AP 13 SEPTEMBER 27/21

PREDICTED AFR/AP 14-16 SEPTEMBER 17/50 - 15/25 - 12/20

SOLTERWARN

HFUS 3 BOU 141500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 257-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 14 SEP 1977

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGIONS 889
(N08E13) AND 890 (N17E03) HAVE BEEN QUIET AND APPEAR TO BE DECLINING.
PENUMBRAL BREAK-UP HAS OCCURRED IN 889 AND ITS DELTA MAY NO LONGER
EXIST, HOWEVER, SOME PORTIONS OF THE REGION STILL EXHIBIT BRIGHT
POINTS IN H-ALPHA. REMAINDER OF DISK AND LIMBS ARE QUIET.

IB. ALTHO REGION 889 IS CAPABLE OF ENERGETIC EVENTS, DECAY AND
OTHER PARAMETERS INDICATE ONLY LOW ACTIVITY LEVELS APPEAR PROBABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS. GENERALLY
QUIET CONDITIONS ARE EXPECTED THRU THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 14 SEPTEMBER-16 SEPTEMBER

CLASS M 50/50/50

CLASS X 25/25/25

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 SEPTEMBER 112

PREDICTED 14-15 SEPTEMBER 116/119/121

90-DAY MEAN 13 SEPTEMBER 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 SEPTEMBER 06

ESTIMATED AFR/AP 13 SEPTEMBER 27/21

PREDICTED AFR/AP 14-16 SEPTEMBER 10/12 - 15/15 - 12/12

SOLTERWARN

HFUS 1 BOU 142200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 257
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 SEPTEMBER 1977

IA. SOLAR FLARE ACTIVITY CONTINUES AT A VERY LOW LEVEL WITH THE C-1 FLARE AT 14/1537Z BEING THE ONLY EVENT OBSERVED IN THE PAST 24 HOURS. REGION 889 (N08E06) REMAINS STABLE WITH A DELTA CONFIGURATION STILL BEING REPORTED BY MT WILSON IN THE SPOTS SE OF THE LEADER. PLAGE BRIGHTENINGS ARE OCCURRING EAST OF LEADER AND IN THE TRAILER AREA. FILAMENTS NE OF 889 ARE EXPECTED TO BECOME ACTIVE IN THE NEXT FEW DAYS. REGION 890 (N16W01) IS UNCHANGED.

IB. SOLAR FLARE ACTIVITY IS EXPECTED TO BE AT A LOW LEVEL THRU THE FORECAST PERIOD, WITH C-CLASS EVENTS EXPECTED DAILY AND CLASS M EVENTS INFREQUENT. REGION 889 SHOULD BE MONITORED FOR SIGNS OF REJUVENATION AND RE-GROWTH.

II. GEOMAGNETIC ACTIVITY HAS BEEN QUIET THE PAST 12 HOURS. ACTIVITY SHOULD INCREASE IN THE NEXT 24-48 HOURS TO GENERALLY ACTIVE CONDITIONS ON THE 16TH. A CORONAL HOLE IS VISIBLE IN 10830A IMAGES ABOUT 20-30 DEGREES EAST OF 889. THIS AREA IS EXPECTED TO PRODUCE ACTIVE CONDITIONS LATER IN THE WEEK.

III. EVENT PROBABILITIES 15 SEPTEMBER - 17 SEPTEMBER

| | |
|---------|----------|
| CLASS M | 50/50/50 |
| CLASS X | 25/25/25 |
| PROTON | 20/20/20 |
| PCAF | YELLOW |

IV. OTTAWA 10.7 CM FLUX

| | |
|-------------|-----------------------------|
| OBSERVED | 14 SEPTEMBER 117 |
| PREDICTED | 15-17 SEPTEMBER 116/114/112 |
| 90-DAY MEAN | 14 SEPTEMBER 87 |

V. GEOMAGNETIC A INDICES

| | |
|-------------------------|---------------------------------------|
| OBSERVED FREDERICKSBURG | 13 SEPTEMBER 21 |
| ESTIMATED AFR/AP | 14 SEPTEMBER 10/12 |
| PREDICTED AFR/AP | 15-17 SEPTEMBER 15/15 - 25/25 - 15/20 |
| SOLTERWARN | |
| BT | |