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HFUS 3 BOU 250500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 268A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 25 SEPTEMBER 1977

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST TEN HOURS.
REGION 898 (N16E83, OLD REGION 885) IS A D-TYPE SPOT GROUP
WITH FLUCTUATING PLAGE TO NEAR FLARE BRIGHTNESS. MINOR PLAGE
FLUCTUATIONS ARE ALSO OCCURRING IN REGION 892 (S23W28). REGION
896 (N28E06) STILL HAS A STRONG AFS. SEVERAL C-CLASS X-RAY
ENHANCEMENTS OCCURRED DURING THE PAST TEN HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW DURING
THE REST OF THE FORECAST PERIOD. CONTINUED C-CLASS X-RAY
ACTIVITY WITH ISOLATED M-CLASS ACTIVITY IS LIKELY.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE
PAST TEN HOURS AND SHOULD REMAIN SO THROUGH THE REST OF THE
FORECAST PERIOD. THE PCA EVENT WHICH BEGAN NEAR 24/0900Z
DECREASED TO BELOW EVENT LEVEL NEAR 25/0300Z. A WEAK PROTON
EVENT IS CONTINUING BUT IS DECREASING IN INTENSITY.

III. EVENT PROBABILITIES 25 SEPTEMBER - 27 SEPTEMBER

CLASS M 10/05/05

CLASS X 05/01/01

PROTON 60/01/01

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 SEPTEMBER 100

PREDICTED 25-27 SEPTEMBER 101/102/103

90-DAY MEAN 24 SEPTEMBER 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 SEPTEMBER 14

ESTIMATED AFR/AP 24 SEPTEMBER 15/12

PREDICTED AFR/AP 25-27 SEPTEMBER 08/08 - 07/07 - 08/08

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443-21

HFUS 3 BOU 251500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 268-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 25 SEPT 1977

IA. SOLAR ACTIVITY IS MODERATE. A ZERO FAINT FLARE MAXED AT 25/0922Z
IN REGION 892 (S23W33) AND PRODUCED A C-1 X-RAY EVENT. REGION 898
(N15E81 REPORTED AS 899 ON THE 24/2200Z REPORT) FLARED AT 1332Z
WITH A 1B MAX AT 1350Z. THE FLARE WAS M-1 X-RAY EVENT AND PRODUCED
SIGNIFICANT SWF'S AND A SMALL IMPULSIVE RADIO BURST.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGIONS 892, 896 (N28E01)
AND 898 ARE CAPABLE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE THRU THE NIGHT
AND SHOULD BE GENERALLY UNSETTLED FOR THE REST OF THE PERIOD. THE
PROTON EVENT CONTINUES TO DECREASE AND THE END TIME IS NEAR.

III. EVENT PROBABILITIES 25 - 27 SEPT

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 30/01/01

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 SEPT 100

PREDICTED 25-27 SEPT 99/100/101

90-DAY MEAN 24 SEPT 88

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 23 SEPT 14

ESTIMATED AFR/AP 24 SEPT 15/12

PREDICTED AFR/AP 25-27 SEPT 08/08 - 07/07 - 08/08

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HFUS 1 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 268

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. MOST ACTIVITY HAS ORIGINATED IN REGION 898 (N16E77) WHICH IS A LARGE "E" TYPE REGION. THE MOST NOTABLE EVENTS WERE A 1B FLARE AT 25/1350Z AND A 0B AT 1701Z. X-RAY EVENTS REACHED M-1 AND C-8 RESPECTIVELY AS SEVERAL C-CLASS EVENTS. REGION 892 (S23W38) HAS A RATHER COMPLEX AND ACTIVE N-LINE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGION 898 WILL CONTINUE TO PRODUCE ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. GENERALLY UNSETTLED CONDITIONS SHOULD PREVAIL THRU THE PERIOD. THE PCA EVENT ENDED AT 25/0300Z.

III. EVENT PROBABILITIES 26 SEPTEMBER - 28 SEPTEMBER

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 SEPTEMBER 98

PREDICTED 26-28 SEPTEMBER 100/100/98

90-DAY MEAN 25 SEPTEMBER 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 SEPTEMBER 15

ESTIMATED AFR/AP 25 SEPTEMBER 09/08

PREDICTED AFR/AP 26-28 SEPTEMBER 07/07 - 08/08 - 08/10

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