

HFUS 1 BOU 061300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 279A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 06 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/1200Z TO 06/1200Z: SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. THE LARGEST EVENT THIS PERIOD WAS A C3/SN FROM REGION 3921 (S17W75) AT 06/0542UT, NO SIGNIFICANT RADIO WAS OBSERVED WITH THE EVENT. ALL REGIONS DECLINING OR STABLE THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW DURING THIS FORECAST PERIOD. REGION 3922 (N14W84), ALTHOUGH EXHIBITING RAPID DECAY, MAY PRODUCE AN ENERGETIC EVENT DURING LIMB PASSAGE. RETURNING REGIONS ARE SMALL AND ARE NOT EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED THIS PERIOD. AS THE PROSPECT FOR ENERGETIC DISK ACTIVITY IS LOW THE FIELD IS EXPECTED TO REMAIN QUIET TO UNSETTLED DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 07 OCT-09 OCT

CLASS M 25/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 OCT 164

ESTIMATED 06 OCT 150

PREDICTED 07 OCT-09 OCT 130/125/122

90 DAY MEAN 05 OCT 171

V. GEOMAGNETIC A INDICES

OBSERVED AFR 04 OCT 009 AP 05 OCT 013

ESTIMATED AFR 05 OCT 009 AFR/AP 06 OCT 010/010

PREDICTED AFR/AP 07 OCT-09 OCT 012/010-008/010-010/010

SOLTERWARN

BT

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NNNNCVZGVZLVZOUU

KBOU

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SF NUMBER 279B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 06 OCTOBER 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/1200Z TO 06/2100Z: SOLAR ACTIVITY REMAINS LOW. ONLY THREE SMALL C-CLASS FLARES HAVE BEEN OBSERVED SINCE 1200 UT. THE MOST DRAMATIC CHANGE ON THE DISK WAS FAIRLY RAPID DEVELOPMENT IN REGION 3935 (N07E47). SHOULD THIS DEVELOPMENT CONTINUE, REGION 3935 COULD QUICKLY BECOME THE ONLY POSSIBLE PRODUCER OF ENERGETIC EVENTS VISIBLE ON THE DISK. THE OTHER DISK FEATURES APPEAR STABLE OR DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL FOR THE DURATION OF THIS FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD EXPERIENCED ACTIVE CONDITIONS BETWEEN 06/1200-2100Z. NO SUSTAINED ACTIVITY IS EXPECTED AND GENERALLY QUIET TO UNSETTLED CONDITIONS SHOULD DOMINATE THE FIELD FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 07 OCTOBER - 09 OCTOBER

CLASS M 25/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCTOBER 152

PREDICTED 07-09 OCTOBER 130/125/122

90-DAY MEAN 06 OCTOBER 171

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 OCTOBER 06/13

ESTIMATED AFR/AP 06 OCTOBER 16/18

PREDICTED AFR/AP 07-09 OCTOBER 12/15 - 08/10 - 10/10

SOLTERWAR N

BT

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