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HFUS 3 80U 031310

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 277A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 03 OCT 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. A SINGLE M1/1B EVENT OCCURRED IN REGION 2701 (N15E04) WITH ASSOCIATED CENTIMETRIC EMISSION. THE MAXIMUM OCCURRED AT 2200 ON 02 OCT JUST AFTER 2200Z JOINT REPORT WAS ISSUED. VIRTUALLY ALL ACTIVITY OCCURRING CONTINUES TO HAVE REGION 2701 AS ITS SOURCE.

IB. REORGANIZATION CONTINUES IN REGION 2701 AS WELL AS NEARBY 2699 (N22W07). FIELDS ARE WEAKENING AND BOTH GROUPS APPEAR TO BE SIMPLIFYING SOMEWHAT IN SPOT STRUCTURE. REGION 2697 (S18W46) CONTINUES TO DECAY SLOWLY. REGION 2711 (S07W73) A COMPACT C TYPE GROUP HAS DEVELOPED RAPIDLY AND REGION 2710 (S26E61) AN H GROUP HAS ROTATED ONTO THE DISK. LOW LEVELS OF ACTIVITY WILL PROBABLY CONTINUE, PRIMARILY FROM REGION 2701.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN QUIET TO NEAR UNSETTLED CONDITIONS FOR THE FORECAST INTERVAL.

III. EVENT PROBABILITIES: 04 OCT - 06 OCT

CLASS M 45/40/40

CLASS X 01/01/01

PROTON 01/01/01

IV. OTTAWA 10.7 FLUX

OBSERVED 02 OCT 176

ESTIMATED 03 OCT 168

PREDICTED 04 OCT-06 OCT 166/165/165

90 DAY MEAN 02 OCT 181

V. GEOMAGNETIC A INDICES

OBSERVED AFR 01 OCT 02 AP 02 OCT 05

ESTIMATED AFR 02 OCT 06 AFR/AP 03 OCT 06/06

PREDICTED AFR/AP 04 OCT-06 OCT 06/08 06/10 08/10

EFFECTIVE 1 OCT 1980, NOAA-SESC/AFGWC WILL ISSUE TWO DAILY FORECASTS, ONE AT 1200Z AND THE OTHER AT 2200Z. THE 1200Z FORECAST WILL EMPHASIZE DETAILS ON SOLAR ACTIVE REGION ANALYSIS. THE 2200Z FORECAST WILL DISCUSS MAJOR SOLAR GEOPHYSICAL EVENTS.

SOLTERWARN

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HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLORADO  
SDF NUMBER 277B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 03 OCTOBER 1980

IA. SOLAR ACTIVITY CONTINUED LOW DURING THE PAST 10 HOURS. ONLY  
SUB CLASS FLARES HAVE BEEN REPORTED FROM REGIONS 2701 (N14W03)  
AND 2697 (S17W50). REGIONS 2701 AND 2697 HAVE SHOWN SOME GROWTH  
AND BOTH CONTAIN ARCH FILAMENTS. TWO NEW REGIONS TODAY 2712  
(N2W25) AND 2713 (S07E54) BOTH SIMPLE GROUPS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGION 2701 HAS THE  
BEST CHANCE TO PRODUCE A LARGE EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED  
TO CONTINUE AT QUIET TO ONLY SLIGHTLY UNSETTLED LEVELS DURING THE  
FORECAST PERIOD.

III. EVENT PROBABILITIES: 04 - 06 OCTOBER

CLASS M 45/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCT 174

PREDICTED 04 - 06 OCT 171/169/167

9.0 DAY MEAN 03 OCT 181

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 OCT 06/05

ESTIMATED AFR/AP 03 OCT 06/06

PREDICTED AFR/AP 04-06 OCT 06/08 07/08 08/08

EFFECTIVE 1 OCT 1980, NOAA-SESC/AFGWC WILL ISSUE TWO DAILY  
FORECASTS, ONE AT 1200Z AND THE OTHER AT 2200Z. THE 1200Z  
FORECAST WILL EMPHASIZE DETAILS ON SOLAR ACTIVE REGION  
ANALYSIS. THE 2200Z FORECAST WILL DISCUSS MAJOR SOLAR  
GEOPHYSICAL EVENTS.

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