

HFUS-3 BOU 161300  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO  
SD F NUMBER 2904  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1200Z - 15 OCTOBER 1980

I. SOLAR ACTIVITY REMAINS MODERATE WITH AN M2/1B FLARE AT 15/1249 UT FROM REGION 2724 (N12W75). THIS REGION IS GROWING IN SPOT SIZE AND IS ACTIVE IN H-ALPHA. REGION 2725 (S11W32) IS NOT GROWING BUT THE PLAGE IS VERY BRIGHT AND COMPACT. IT CONTINUES TO PRODUCE MINOR SUBFLARES AND APPEARS CAPABLE OF PRODUCING A MAJOR FLARE. REGION 2717 (N13W57) IS DECAYING AND HAS HAD MINOR ACTIVITY. REGION 2734 (S29E14) IS SMALL BUT IS GROWING IN SPOT AREA AND THE PLAGE IS BRIGHT. IT HAS PRODUCED 3 SUBFLARES THE PAST 24 HOURS. ONLY MINOR ACTIVITY IS REPORTED FROM OTHER REGIONS. SMALL NEW REGIONS HAVE BEEN OBSERVED AT N20, N12 AND S38 ON THE EAST LIMB, AND REGIONS ARE DEVELOPING ON THE DISK AT S08W26 AND S23E56. NONE OF THESE REGIONS HAVE BEEN NUMBERED. LOW ENERGY PROTONS CONTINUE TO BE OBSERVED AT LEVELS JUST ABOVE BACKGROUND.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE BUT WITH A DECREASING PROBABILITY OF A MAJOR EVENT AFTER 17 OCTOBER WHEN REGION 2724 IS BEYOND WEST LIMB.

II. THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED FROM 14/1950 UT TO 16/0000 UT. SINCE THEN IT HAS BEEN QUIET AND IS EXPECTED TO REMAIN QUIET TO UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 OCTOBER - 19 OCTOBER

CLASS M	95/9 0/9 0
CLASS X	15/10/10
PFT ON	23/10/10
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	15 OCTOBER	238
ESTIMATED	16 OCTOBER	229
PREDICTED	17-19 OCTOBER	221/215/208
90-DAY MEAN	15 OCTOBER	187

V. GEOMAGNETIC INDICES

OBSERVED AFR	14 OCTOBER	29	A.P. 15 OCTOBER	13
ESTIMATED AFR	15 OCTOBER	11	A.FR/A.P. 16 OCTOBER	06/13
PREDICTED AFR	17-19 OCTOBER	10/13	- 08/10	- 08/10
SOLTERWAR	N			
BT				

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 290B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 OCTOBER 1980

IA. SOLAR ACTIVITY HAS BEEN AT LOW LEVELS DURING THE PAST 24 HOURS. THE LARGEST FLARE TODAY REACHED ONLY THE C7 X-RAY LEVEL.

IB. SOLAR ACTIVITY IS FORECAST TO RETURN TO MODERATE LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE ENTIRE DAY TODAY. THESE CONDITIONS ARE FORECAST TO CONTINUE.

III. EVENT PROBABILITIES 17 OCTOBER - 19 OCTOBER

CLASS M 95/85/85

CLASS X 10/10/10

PROTON 15/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 OCTOBER 216

PREDICTED 17-19 OCTOBER 206/194/188

90-DAY MEAN 16 OCTOBER 186

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 OCTOBER 12/13

ESTIMATED AFR/AP 16 OCTOBER 03/06

PREDICTED AFR/AP 17-19 OCTOBER 06/08 - 06/08 - 06/10

SOLTERWARN

BT