

HFUS3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 216

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100

TO 03/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD.

EVENTS HAVE BEEN LIMITED TO B LEVEL X-RAY FLARES AND A MINOR
RADIO BURST. REGION 4552 (S17E15) IS STABLE. TWO NEW REGIONS
WERE NUMBERED THIS PERIOD, 4553 (S07E60) AND 4554 (N09E75),
WITH A AND H TYPE SPOT CLASSIFICATIONS, RESPECTIVELY. THE
REMAINDER OF THE DISK IS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW
TO LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE, WITH ISOLATED
PERIODS AT STORM LEVELS IN THE HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD
SHOULD BE UNSETTLED TO ACTIVE, AT ALL LATITUDES, THE FIRST TWO
DAYS OF THE FORECAST PERIOD. UNSETTLED TO STORM LEVELS ARE
POSSIBLE ON THE THIRD DAY, DUE TO A DISAPPEARING SOLAR FILAMENT
THAT OCCURRED AT APPROXIMATELY 0300 UT ON 03 AUGUST. THIS
FILAMENT WAS LOCATED BETWEEN N12E01 AND N20W10, PRIOR TO IT'S
DISAPPEARANCE.

III. EVENT PROBABILITIES 04 AUG-06 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 AUG 086

PREDICTED 04 AUG-06 AUG 087/088/089

90 DAY MEAN 03 AUG 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 AUG 025/020

ESTIMATED AFR/AP 03 AUG 016/020

PREDICTED AFR/AP 04 AUG-06 AUG 011/020-010/015-012/035

SOLTERWARN

BT