

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER •0354

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 03 FEBRUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1548 (S14E15) AND  
REGION 1545 (N07W06) HAVE BOTH PRODUCED C-CLASS SUBFLARES DURING  
THE PAST 24 HOURS. REGION 1554 (N35E53) HAS PRODUCED A SUB-BRIGHT  
FLARE. A NEW REGION 1556 (N15E74) IS NOW VISIBLE WITH A LARGE  
H-TYPE SPOT. ALL OTHER DISK AND LIMB FEATURES HAVE BEEN QUIET  
AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. RETURNING  
REGION 1517 (NUMBERED 1556 ON THIS ROTATION) AND REGIONS 1545  
AND 1548 PRESENTLY DISPLAY THE BRIGHTEST PLAGE AND HAVE THE  
POTENTIAL TO PRODUCE M-CLASS FLARES DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO  
REMAIN QUIET FOR THE NEXT 24 HOURS. IT WILL THEN BECOME  
SLIGHTLY UNSETLED DURING THE FOLLOWING 48 HOURS.

III. EVENT PROBABILITIES 04-06 FEB

CLASS M 70/70/70

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 FEB 196

PREDICTED 04-06 FEB 198/200/202

90-DAY MEAN 03 FEB 179

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 FEB 07

ESTIMATED AFR/AP 03 FEB 06/05

PREDICTED AFR/AP 04-06 FEB 07/07 - 09/10 - 09/07

SOLTERWARN

BT