

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 026

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. REGION 1532 (S14W74) HAS HAD NUMEROUS C-CLASS SUBFLARES, THE LARGEST BEING A C8/SB AT 1144 UT. (MAXIMUM). REGION 1528 (N20W12) ALSO SHOWED SOME SUBFLARE ACTIVITY. TWO NEW REGIONS WERE CONFIRMED TODAY. THEY ARE 1540 (S30E30) AND 1541 (S23E34).

IB. SOLAR ACTIVITY SHOULD CONTINUE TO BE LOW TO MODERATE WITH REGIONS 1532, 1525, (N13W35), 1526 (S26W42), AND 1528 OFFERING THE BEST PROBABILITIES OF SIGNIFICANT EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE ACTIVE THROUGHOUT THE FORECAST PERIOD AS A HIGH SPEED SOLAR WIND STREAM FROM A SOUTHERN CORONAL HOLE SWEEPS BY THE EARTH.

III. EVENT PROBABILITIES 27 JANUARY - 29 JANUARY

CLASS M 75/75/75

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JANUARY 199

PREDICTED 27-29 JANUARY 193/188/186

90-DAY MEAN 26 JANUARY 176

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JANUARY 25

ESTIMATED AFR/AP 26 JANUARY 15/23

PREDICTED AFR/AP 27-29 JANUARY 30/50 - 20/38 - 15/25

SOLTERWARW

BT