

HFUS 1 BOU 172115

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 137

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 17 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. REGION 1729 (S20W80) HAS SHOWN REMARKABLE SPOT GROWTH AND CONTAINS A DELTA MAGNETIC CONFIGURATION. REGION 1729 PRODUCED A M1/SN (X-RAY MAX AT 0123Z), A M2/SB (X-RAY MAX AT 1645Z), AND A C8/SN (X-RAY MAX AT 2017Z). REGION 1743 (N16W56) ALSO SHOWS A STRONG GROWTH PATTERN WITH A BETA GAMMA MAGNETIC CONFIGURATION. REGION 1743 PRODUCED A C4/SB AT 1426Z AND A C8/SB AT 1736Z. REGION 1742 (N25E18) HAS ISOLATED POLES SOUTH AND NORTHWEST OF THE LEAD SPOT AND HAS PRODUCED MINOR FLARES. THE OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH REGIONS 1729 AND 1743 PRODUCING CLASS M ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS WITH PERIODS AT ACTIVE LEVEL ON 19 MAY.

III. EVENT PROBABILITIES 18 - 20 MAY

CLASS M 70/60/50

CLASS X 05/05/05

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUS

OBSERVED 17 MAY 184

PREDICTED 18 - 20 MAY 170/167/162

90-DAY MEAN 17 MAY 184

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 16 MAY 05

ESTIMATED AFR/AP 17 MAY 04/07

PREDICTED AFR/AP 18 - 20 MAY 10/12 14/16 10/12

SOLTERWARN

BT