

HXUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 153 ISSUED 2200Z 01 JUNE 1972

A. ALTHOUGH NEW ACTIVE REGIONS HAVE PASSED OVER THE EAST LIMB
ONTO THE DISK, REGION 210 (N12W25) CONTINUES TO BE OF CONCERN.
THE LEADER PLAGE APPEARS TO BE GROWING IN SIZE AND HEATING UP
WHILE THE NEUTRAL LINE BECOMES MORE TWISTED. ALSO THE LARGE
SPOTS COMPRISING THE DELTA CONFIGURATION IN THE LEADER HAVE
MOVED CLOSER TOGETHER AND ROTATED INTO A MORE NORTH-SOUTH
ALIGNMENT. INDICATING THE REGION MAY BE WINDING UP TO PRO-
DUCE ANOTHER ENERGETIC FLARE.

RGN 219 (S06E45), WHICH PRODUCED AN M2 FLARE ON 31 MAY,
APPEARS TO HAVE A SHARPLY KINKED NEUTRAL LINE AND MAY HAVE
ENERGETIC POTENTIAL. REGION 214 (S12E37) HAS A GROUPING OF
NEW SPOTS EMERGING AHEAD OF THE LARGE LEADER SPOT AND NEW
GROWING PLAGE. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR
THE PAST 24 HOURS. THE 5-21 MEV PROTON FLUX HAS ESSENTIALLY
RETURNED TO BACKGROUND LEVELS.

B. REGION 210 DISPLAYS X-CLASS ENERGETIC FLARE POTENTIAL.
REGIONS 210 AND 219 COULD PRODUCE M-CLASS FLARES AT ANY
TIME. THE GEOMAGNETIC FIELD SHOULD REMAIN QUIET FOR THE NEXT
24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING JUNE/020000Z ENDING JUNE/050000Z.

CLASS M OR GREATER 90/85/80

CLASS X 15/15/10

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUXES FOR 01/1400Z, 01/1700Z AND 01/2000Z
WERE 125, 125 AND 122 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 02-05 JUNE IS 124/128/130.

E. MAGNETIC A-FREDERICKSBURG FOR 31 MAY WAS 14. FOR 01 JUN
ABOUT 08 PREDICTED AP FOR 02-05 JUNE, 6/5/5.

SOLTERWARN

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