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HFUS BOU 312215

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 213 ISSUED 2200Z 31 JULY 1972

A. FLARE ACTIVITY HAS BEEN LOW TO MODERATE. REGION 319 /S13W23/ WAS THE SOURCE OF A SB/1B FLARE CLASS M2 AT 31/1115Z. THE REGION HAS SHOWN ADDITIONAL GROWTH IN VISUAL PARAMETERS. REGION 331 /N13E52/ IS CLEARLY VISIBLE TODAY. IT HAS A LARGE COMPLEX SPOT STRUCTURE CONTAINED ALMOST ENTIRELY IN A SINGLE PENUMBRA WITH A COMPLEX E-W NEUTRAL LINE SEPARATING MAJOR UMBRA. H-ALPHA STRUCTURE IS NOW ONLY MODERATE IN COMPLEXITY AND EXTENT BUT AN ARCH-FILAMENT SYSTEM IS PRESENT. THE REGION IS INTENSE AT MOST CORONAL WAVELENGTHS. PROTON ENHANCEMENT IN THE 5-70 MEV RANGE CONTINUES TO DECLINE.

B. FLARES TO MODERATE CLASS M INTENSITY ARE EXPECTED FROM REGION 319. MORE SPORADIC FLARES ARE PROBABLE FROM REGION 331 BUT THEY COULD REACH CLASS X INTENSITY. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET EARLY IN THE FORECAST PERIOD WITH THE BEGINNING OF A RISE IN ACTIVITY ON 3 ~~JULY~~ <sup>AUG</sup> ~~AUG~~ <sup>AUG</sup>

C. EVENT PROBABILITIES 01 JULY/0000Z-03 ~~JULY~~ <sup>AUG</sup> 2400Z

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 05/7/10

D. OTTAWA 10.7 CM FLUX

OBSERVED 31 JULY/1700Z 146

PREDICTED 01 AUG-03 AUG 148-149-150

E. A-FREDERICKSBURG

OBSERVED 30 JULY 04

ESTIMATED 31 JULY 04

PREDICTED 01 AUG-03 AUG 03-04-06

SOLTERWARN

SPAN

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