

HEUS 1 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 213

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 JULY 1979

IA. SOLAR ACTIVITY WAS MODERATE TO LOW DURING THE PAST 24 HOURS.
THE LARGEST FLARE WAS AN M2/1B WITH A MAXIMUM AT 29/0331Z IN
REGION 1887 (S14W53). THIS FLARE WAS OBSERVED TO HAVE PARALLEL
RIBBONS IN H-ALPHA AND A SLOW DRIFT TYPE II RADIO SPECTROGRAPH
EVENT WAS ASSOCIATED WITH IT. ALSO, MINOR RADIO BURSTS WERE NOTED
AT CENTIMETER WAVELENGTHS. OTHERWISE, THE SUN HAS BEEN VERY QUIET
WITH HARDLY ANY C-CLASS SUBFLARES NOTED IN THE ELEVEN ACTIVE
REGIONS CURRENTLY VISIBLE ON THE DISK.

IB. REGION 1887 HAS THE POTENTIAL TO PRODUCE FURTHER ISOLATED
SMALL M-CLASS FLARES. REGION 1892 (S22E32) HAS UNDERGONE FURTHER
DEVELOPMENT ALONG AN EAST-WEST NEUTRAL LINE. THE EVIDENT STRESS
HERE COULD VERY WELL RESULT IN ENERGETIC ACTIVITY WITHIN A FEW
DAYS. REGION 1893 (N14E02) STILL LOOKS THREATENING IN H-ALPHA
BUT HAS REALLY WEAKENED IN WHITE LIGHT AND SHOULD POSE NO FURTHER
THREAT OF MAJOR FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE TO UNSETTLED
DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE
GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 30 JULY - 01 AUGUST

CLASS M 65/60/50

CLASS X 10/10/05

PROTON 15/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JULY 153

PREDICTED 30 JULY - 01 AUGUST 151/154/155

90-DAY MEAN 29 JULY 172

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JULY NO REPORT

ESTIMATED AFR/AP 29 JULY 15/16

PREDICTED AFR/AP 30 JULY - 01 AUGUST 09/12 - 07/14 - 09/10

SOLTERWARM

BT