

HFUS 3 BOU 300209

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

7-DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 30 JULY 1979

SOLAR ACTIVITY: SOLAR ACTIVITY WILL BE GENERALLY MODERATE FOR THE NEXT SEVEN DAYS. TWO REGIONS CURRENTLY ON THE VISIBLE DISK ARE CAPABLE OF "M" CLASS ACTIVITY. AN ISLAND OF POSITIVE POLARITY CONTAINING SEVERAL REGIONS IS DUE TO RETURN AND COULD ADD TO THE POTENTIAL FOR ENERGETIC ACTIVITY.

GEOMAGNETIC ACTIVITY: THE GEOMAGNETIC FIELD WILL BE UNSETLED THROUGHOUT THE PERIOD.

SOLTERWARN

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HFUS 3 BOU 300209

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

27-DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 30 JULY 1979

SOLAR ACTIVITY: SOLAR ACTIVITY WILL BE GENERALLY AT MODERATE LEVELS UNTIL 07 AUGUST. LOW LEVELS OF ACTIVITY ARE EXPECTED TO DOMINATE AFTER THAT TIME WITH OCCASIONAL "M" CLASS FLARES BEING REPORTED.

GEOMAGNETIC ACTIVITY: THE GEOMAGNETIC FIELD WILL BE UNSETLED EXCEPT FOR 06-08 AUGUST WHEN ACTIVE CONDITIONS ARE EXPECTED AND 10-12 AUGUST WHEN QUIET CONDITIONS ARE POSSIBLE.

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44FUS-1 BDU 3022 03

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 211

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 JULY 1979

I. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. A C9/SN FLARE
WAS OBSERVED FROM REGION 1890 (N16W08) WITH MAXIMUM AT 0257 UT.
A TYPE III TYPE IV SWEEP WAS NOTED WITH THE FLARE JUST BEFORE THE
FLARE THE FILAMENT THAT IS IN THE TRAILER PORTION ERUPTED BUT
RETURNED AFTER THE FLARE ENDED. MINOR RADIO BURSTS AT CENTIMETER
WAVELENGTHS, WERE ALSO NOTED. AT 1913 UT A 'C2/SN FLARE' OCCURRED
IN REGION 1887 (S21W67). NEW REGIONS TODAY ARE 1898 (N22E24) A
SIMPLE B-TYPE AND 1899 (N17E20) A C-TYPE GROUP WITH 11 SPOTS.
IB. REGIONS 1890 AND 1887 CONTINUE TO HAVE THE POTENTIAL FOR
M-CLASS FLARES. REGION 1899 IS SHOWING GROWTH AND MAY BE A THREAT
IN A FEW DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24
HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED DURING THE NEXT 48
HOURS THEN BECOME ACTIVE AT THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 JULY - 02 AUGUST

CLASS M 60/55/45

CLASS X 13/05/05

PREDICTON 13/05/05

IV. OTTAWA 13.7 CM FLUX

OBSERVED 31 JULY 15.7

PREDICTED 31 JULY - 02 AUGUST 16.0/15.8/15.7

90-DAY MEAN 30 JULY 17.1

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 30 JULY 23

ESTIMATED AFR/AP 30 JULY 11/13

PREDICTED AFR/AP 31 JULY - 02 AUGUST 13/12 - 12/14 - 12/22

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