

HFUS 3 BOU 140200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
7 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 14 MAY 1979

SOLAR ACTIVITY IS FORECAST TO BE GENERALLY LOW DURING THE PERIOD
WITH ISOLATED M-CLASS X-RAY EVENTS POSSIBLE FROM REGIONS
1724 (N22W48) AND 1734 (N09W35). REGIONS 1739 (N13E45) AND 1740
(N15E24) HAVE SHOWN STRONG GROWTH IN MAGNETIC COMPLEXITY AND
SHOULD BE WATCHED FOR FURTHER DEVELOPMENT.

THE GEOMAGNETIC FIELD SHOULD BE QUIET TO UNSETTLED FOR THE NEXT
SEVERAL DAYS, THEN INCREASE TO GENERALLY MILDLY ACTIVE LEVELS
FOR THE REMAINDER OF THE PERIOD.

SOLTERWARN

BT

HFUS 3 BOU 140201

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
27-DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0201Z 14 MAY 1979

SOLAR ACTIVITY SHOULD BE GENERALLY LOW FROM 15-22 MAY WITH
ISOLATED MODERATELY ENERGETIC EVENTS POSSIBLE. REGION 1711 IS
EXPECTED TO RETURN LEADING TO MODERATE ACTIVITY FROM 22-30 MAY
AND THE POSSIBILITY OF AN ISOLATED X-CLASS X-RAY EVENT OCCURRING
DURING THIS TIME. THE REMAINDER OF THE PERIOD SHOULD SEE DECREASED
ACTIVITY.

THE GEOMAGNETIC FIELD IS FORECAST TO BE QUIET TO MILDLY UNSETTLED
FROM 15-17 MAY, INCREASING TO UNSETTLED TO ACTIVE LEVELS FROM
18-29 MAY. THIS IS INDICATED BY RECURRENCE AND BY THE PASSAGE OF
A SECTOR BOUNDARY FOLLOWED BY NEGATIVE INTERPLANETARY MAGNETIC
FIELDS. THE GEOMAGNETIC FIELD SHOULD THEN BE QUIET TO MILDLY
UNSETTLED FOR THE REMAINDER OF THE PERIOD.

SOLTERWARN

BT

HEUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 134

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 MAY 1979

IA. SOLAR ACTIVITY HAS REMAINED FAIRLY LOW DURING THE PAST 24 HOURS. REGION 1734 (N 08W50) HAS NOW SHOWN CLEAR SIGNS OF DECAYING AND SO PRESENTS A DIMINISHING THREAT. REGION 1740 (N 15E 09) HAS STRENGTHENED DURING THE PAST DAY AND HAS PRODUCED HALF A DOZEN SMALL C-CLASS SUBFLARES. SOME MINOR RADIO RESPONSE HAS BEEN NOTED WITH THESE SUBFLARES, ALLOWING IDENTIFICATION OF REGION 1740 AS A POTENTIAL ENERGETIC FLARE PRODUCER. REGION 1743, (N 15W17) HAS PRODUCED ONLY ONE SMALL C-CLASS SUBFLARE BUT IT CONTAINS A WEAK DELTA CONFIGURATION AND, THEREFORE MUST BE TREATED WITH CAUTION. REGION 1747 (S29E 10) IS THE BRIGHTEST REGION ON THE DISK HAVING GROWN EXTREMELY RAPIDLY SINCE FIRST APPEARING, YESTERDAY. IT WILL BE A THREAT IF THIS RAPID GROWTH CONTINUES. NO DYNAMIC OLD REGIONS ARE DUE TO RETURN AT THE EAST LIMB FOR THE NEXT THREE DAYS.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLOWLY TO MODERATE LEVELS WITH ISOLATED M-CLASS X-RAY BURSTS PROBABLE. REGIONS 1740, 1743, AND 1747 MAY NOT ALL CONTINUE TO STRENGTHEN BUT BETWEEN THEM THEY OUGHT TO BE EXPECTED TO PRODUCE SPORADIC MODERATELY ENERGETIC FLARES OVER THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST 24 HOURS. THE MAGNETIC FIELD IS EXPECTED TO TEND TOWARD QUIETER LEVELS DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 15 MAY - 17 MAY

CLASS M 40/40/40

CLASS X 05/05/05

PROMPT 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 178

PREDICTED 15-17 MAY 178/178/178

90-DAY MEAN 14 MAY 185

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 13 MAY 07

PREDICTED AFR/AP 14 MAY 12/13

PREDICTED AFR/AP 15-17 MAY 09/11 - 07/09 - 07/09

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