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KMSC

HAUS BOU 090400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 774A ISSUED 0400Z 09 OCT 1970

OCCASIONAL CLASS-C FLARES AND ONE OR TWO SMALL CLASS-M FLARES ARE LIKELY DURING THE NEXT 13 HOURS.

A. ALTHOUGH ONLY CLASS-C FLARES HAVE BEEN REPORTED DURING THE PAST 11 HOURS, OVERALL SOLAR ACTIVITY APPEARS TO BE INCREASING. THE PENUMBRA OF THE S10W28 REGION HAS GROWN IN THE LEADER AND MIDDLE PORTIONS OF THE SPOT GROUP, AND SIGNIFICANT INCREASES IN THE RADIO EMISSIONS OF THE REGION AT BOTH 9.1CM AND 8.6MM HAVE OCCURRED.

ACCORDING TO THE MT. WILSON OBSERVATORY, A DELTA COMPLEX EXISTS IN THE INTERNAL SECTION OF THE REGION. THE TWO REGIONS AT S13E46 AND S13E38 BOTH HAVE DEVELOPED SLIGHTLY AND HAVE PRODUCED A FEW NON-ENERGETIC SUBFLARES. THE GEOMAGNETIC FIELD HAS BEEN EXCEPTIONALLY QUIET DURING THE PAST 24 HOURS.

B. SPORADIC CLASS-C AND SMALL CLASS-M FLARES ARE EXPECTED TO BE PRODUCED BY THE REGION AT S10W28 DURING THE FORECAST PERIOD; FURTHERMORE, CONTINUED DEVELOPMENT AT THE S13E46 AND S13E38 SITES MAY TURN THOSE REGIONS INTO PRODUCERS OF ENERGETIC FLARES. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNUSUALLY QUIET UNTIL SOMETIME AFTER 1200Z ON 10 OCTOBER, WHEN A SMALL DISTURBANCE IS ANTICIPATED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 OCT/0400Z ENDING 12 OCT/0400Z.

CLASS M OR GREATER 65/65/65

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 08/1700Z AND 08/2000Z WERE 142 AND 143 RESPECTIVELY.

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HAUS BOU 091700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 774B ISSUED 1700Z 09 OCT 1970

SMALL M FLARES REPRESENT THE MOST SIGNIFICANT ACTIVITY EXPECTED THESE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATE LEVEL DURING THE PAST 13 HOURS; OCCASIONAL CLASS-C SUBFLARES HAVE BEEN PRODUCED BY THE REGIONS AT S13E34 AND S10W36. A NEAR-CLASS-M EVENT OF UNKNOWN OPTICAL ORIGIN OCCURRED AT 09/0118Z. DEVELOPMENT IS CONTINUING AT A MODERATE RATE IN THE S13E34, N17E26, AND S10W36 REGIONS. THE GEOMAGNETIC FIELD HAS REMAINED UNUSUALLY QUIET DURING THE PAST 24 HOURS.

B. OCCASIONAL SMALL FLARES ARE EXPECTED TO OCCUR AT THE S13E34 AND S10W36 SITES; A FEW OF THESE EVENTS MAY BE OF LOW CLASS-M INTENSITY. THE GEOMAGNETIC FIELD WILL REMAIN ABNORMALLY QUIET UNTIL ABOUT 10/1200Z, WHEN A MINOR DISTURBANCE IS ANTICIPATED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 OCT/1700Z ENDING 12 OCT/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 09/1400Z WAS 147. PREDICTED 10.7 CM FLUX FOR 10-12 OCT IS 143/141/142.

E. MAGNETIC A-FREDERICKSBURG FOR 08 OCT WAS 01. FOR 09 OCT ABOUT 03. PREDICTED AP FOR 10-12 OCT, 13/11/10.

SOLTERWARN

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