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KMSC

HAUS BOU 260400Z

FROM SPACE DISTURBANCE FORECAST CENTEHSRRG DCMULDER COLO

SDF NUMBER 638A ISSUED 0400Z 26 MAY 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 11 HOURS. AT 26/0105Z A ONE NORMAL FLARE OCCURRED IN REGION S07E24. THIS REGION HAS SHOWN SPOT GROWTH IN BOTH PENUMBRAE SECTIONS OF THE LEADER PORTION. THIS PORTION ALSO HAS A DELTA CONFIGURATION. THE REGION S15W04 HAS SHOWN SPOT GROWTH IN THE TRAILER PORTION OF THE GROUP. THE OTHER REGIONS SEEM QUITE STABLE. THE GEOMAGNETIC FIELD SHOWS PERIODS OF SLIGHT DISTURBANCE.

B. THE TWO REGIONS S07E24 AND S15W04 ARE EXPECTED TO PRODUCE CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE. THE REGION S07E24 IS SHOWING DEVELOPMENT WHICH, IF IT CONTINUES, WILL BE A MAJOR FLARE PRODUCER. THE GEOMAGNETIC FIELD WILL CONTINUE TO SHOW PERIODS OF SLIGHT DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 MAY/0400Z ENDING 29 MAY/0400Z

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 25/1700Z AND 2000Z WERE 157 AND 155 RESPECTIVELY.

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HAUS BOU 261700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 638B ISSUED 1700Z 26 MAY 1970

A MODERATE LEVEL OF CLASS M FLARES AND INFREQUENT CLASS X FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. FOUR CLASS M EVENTS AND ONE CLASS X FLARE HAVE OCCURRED IN THE S07E15 REGION AND ONE M FLARE HAS OCCURRED IN THE S15W13 REGION THIS ZULU DAY. THE X FLARE OCCURRED AT 1123Z; THIS 1B FLARE WAS LOCATED AT S09W20. THIS FLARE HAD AN ASSOCIATED MAGNETIC CROCHET AND A RADIO BURST THAT HAD A SINGLE PEAK IN THE HIGH FREQUENCIES CLOSE TO 8300 MHZ. IT IS SUSPECTED THAT THE FLARE EMITTED PARTICLES THAT MIGHT BE SEEN BY THE CO-ROTATING PIONEER SATELLITES 6, 7 AND 8. THE SE REGION HAS FORMED A MAGNETIC DELTA IN THE SOUTHERN PORTION OF THE LEADER WHERE STRONG MAGNETIC GRADIENTS EXIST. THE UMBRAL AND PENUMBRA AREAS OF THIS GROUP HAVE INCREASED IN ADDITION TO THE EMERGENCE OF SMALL SPOTS NORTH OF THE LEADER. THE S15W13 SPOT GROUP HAS GROWN IN ITS CENTRAL PORTION, WHICH IS NOW A WEAK DELTA. BOTH OF THESE REGIONS ARE SPREADING LONGITUDINALLY AS GROWTH CONTINUES AND BOTH REGIONS HAVE WEAK EMBEDDED FILAMENTS IN THEIR STRUCTURES.

B. THESE REGIONS ARE EXPECTED TO PRODUCE MORE ENERGETIC FLARES WITH THE CHANCES OF PROTON FLARES INCREASING SLIGHTLY AS THESE REGIONS PASS INTO THE WESTERN SECTOR OF THE SUN.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 MAY/1700Z ENDING 29 MAY/1700Z.

CLASS M OR GREATER 95/95/95

CLASS X 30/30/30

PROTON EVENTS 05/08/10

D. OTTAWA 10.7 CM FLUX FOR 26/1400Z WAS 15⁷. PREDICTED 10.7 CM FLUX FOR 27-29 MAY IS 158/160/165. ⁷
^

E. MAGNETIC A-FREDERICKSBURG FOR 25 MAY WAS 09. FOR PWY MAY ABOUT 03. PREDICTED AP FOR 27-29 MAY 06/06/06.

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