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HAUS BOU 260400Z

FROM SPACE DISTURBANCE FORECAST CENTEHZSRRG 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 8800 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 PENUMBRAL 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 15. ⁷ PREDICTED 10.7 CM
FLUX FOR 27-29 MAY IS 158/160/165. ^A

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

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