

NNNN0401

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KMSC

HAUS BOU 070405Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 499A ISSUED 0400Z 07 JAN 1970

FOR THE NEXT 13-HOUR PERIOD INFREQUENT CLASS C FLARES ONLY ARE EXPECTED.

A. NO SIGNIFICANT ACTIVITY HAS BEEN REPORTED DURING THE PAST 11 HOURS. THE MOST ACTIVE REGION IS STILL THE D/190 GROUP NOW NEAR N12W56, BUT THE LEVEL OF FLARES THERE REMAINS THAT OF SUBFLARES.

B. THE CURRENT SUNSPOT MINIMUM CONDITIONS SHOULD CONTINUE THROUGH JAN 08.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 JAN/0400Z ENDING 10 JAN/0400Z

CLASS M OR GREATER 30/40/40

CLASS X 02/05/10

PROTON EVENTS 01/02/02

D. OTTAWA 10.7 CM FLUXES FOR 06/1700 AND 2000Z WERE BOTH 122.

SOLTERWARN

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KMSC

HAUS BOU 071700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 499B ISSUED 1700Z 07 JANUARY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. HIGHLIGHTS FOR THE PERIOD 31 DECEMBER 1969-07 JANUARY 1970--

FEW ENERGETIC FLARES WERE RECORDED DURING THIS 8-DAY INTERVAL.

AN INTERMEDIATE-SIZED SPOT GROUP IN THE SOUTHERN HEMISPHERE

/MCMATH REGION 503/ GAVE RISE TO TWO CLASS M EVENTS 30 DECEMBER-

AN IMPORTANCE 3 ERUPTIVE PROMINENCE /1855Z/ AND A 1B FLARE /1925Z/.

A VERY SMALL PROTON FLUX ENHANCEMENT WAS EVIDENT THE FOLLOWING

DAY, BUT, AND THIS SHOULD BE EMPHASIZED, ONLY AT SATELLITE

ALTITUDES. MOREOVER ON 02 JANUARY, ABOUT 0100Z, A 24-HOUR MAGNETIC

DISTURBANCE BEGAN. K-INDICES RECORDED IN BOULDER NEVER EXCEEDED

5 DURING THE "STORM". TWO OTHER M EVENTS WERE REPORTED DURING THE

PERIOD. THESE FLARES ORIGINATED WITHIN THE CENTER NOW NEAR N12W56

/MCMATH REGION 508/ ON 31 DECEMBER AND 03 JANUARY. NO PARTICLES

OR MAGNETIC ACTIVITY FOLLOWED. REGION 508'S D/190 CLASSIFICATION

MAKES IT THE LARGEST GROUP VISIBLE OF THE FOUR THAT CURRENTLY DOT

THE DISK. OVERALL ACTIVITY HAS FALLEN SHARPLY THESE PAST 3 DAYS

WITH THE CURRENT 10-CM FLUX AND R-NUMBER VALUES 115 AND 026

RESPECTIVELY.

B. FORECAST FOR THE PERIOD 07-14 JANUARY 1970--

THE FREQUENCY AND SIZE OF FLARES SHOULD BEGIN TO INCREASE ON

OR SHORTLY AFTER 09 JANUARY WITH THE RETURN OF CARRINGTON

LONGITUDE 070.

28-DAY FORECAST FOR THE PERIOD 07 JANUARY-04 FEBRUARY 1970--

THE LAST WEEK IN JANUARY IS EXPECTED TO BE THE NEXT PERIOD OF

SIGNIFICANT SOLAR ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24

HOUR PERIODS BEGINNING 07/1700Z ENDING 10/1700Z.

CLASS M OR GREATER 30/40/40

CLASS X 02/05/05

PROTON EVENTS 01/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 115. PREDICTED 110/110/115.

E. MAGNETIC A-FREDERICKSBURG FOR 06 JAN WAS 03. FOR 07 JAN

ABOU 03. PREDICTED AP FOR 08-10 JAN 05/08/03.

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