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HFUS 1 BOU 020600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 122A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 02 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN LOW BUT WITH PATROLS LIMITED BY POOR WEATHER. REGIONS 392-393 (S08 E66 AND S14 E68) HAVE EXHIBITED CONTINUOUS BRIGHTENINGS BUT NO SIGNIFICANT GROWTH. MAGNETIC FIELDS CONTINUE TO APPEAR COMPLEX WITH STEEP GRADIENTS. REGION 394 (N08 W30) HAS STABILIZED AT A SMALL SIMPLE BIPOLAR TYPE.

IB. ENERGETIC FLARES MAY AWAIT MORE RAPID EVOLUTION IN REGIONS 392-393. ADDITIONAL ACTIVE CENTERS ARE EXPECTED AT EAST LIMB THIS FORECAST PERIOD.

II. GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. UNSETTLED CONDITIONS SHOULD PERSIST.

III. EVENT PROBABILITIES 02 - 04 MAY

CLASS M 75/80/80

CLASS X 20/25/25

PROTON 03/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 98

PREDICTED 02-04 MAY 102/104/106

90-DAY MEAN 01 MAY 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 0 APRIL 19

ESTIMATED AFR/AP 01 MAY 05/06

PREDICTED AFR/AP 01-04 MAY 10/11 - 10/11 - 10/11

SOLTERWARN

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HFUS 1 BOU 021400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 122B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 02 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE DURING THE LAST 24 HOURS, AND ONCE AGAIN OPTICAL AND X-RAY COVERAGE HAS BEEN INTERMITTANT DURING THE LAST 12 HOURS. VELA OBSERVED AN M1 X-RAY EVENT AT 02/1113Z, BUT NO OPTICAL OBSERVATIONS WERE AVAILABLE AT THIS TIME. REGIONS 392 (S07E57) AND 393 (S12E68) HAVE CONTINUED TO PRODUCE OCCASIONAL SUBFLARES WITH 1N FLARES OBSERVED IN REGION 392 AT 01/1848Z AND IN REGION 393 AT 02/0707Z. THESE REGIONS DO NOT APPEAR TO BE GROWING BUT ARE RELATIVELY LARGE WITH COMPLEX MAGNETIC FIELDS AND APPEAR CAPABLE OF PRODUCING ADDITIONAL ENERGETIC ACTIVITY. REGION 394 (N07W37) HAS APPARENTLY STABALIZED INTO A SIMPLE BIPOLAR REGION.

IB. ADDITIONAL ENERGETIC ACTIVITY IS EXPECTED FROM REGIONS 392 AND 393. MINOR SURGING AT SE10 MAY INDICATE THE RETURN OF OLD REGION 379 (S10) WHICH IS DUE TO RETURN LATE TODAY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED OVERNIGHT, AND UNSETLED CONDITIONS SHOULD CONTINUE THROUGH THE FORECAST PERIOD, MOST DISTURBED DURING LOCAL NIGHT HOURS.

III. EVENT PROBABILITIES 02 - 04 MAY

CLASS M 75/80/80

CLASS X 20/25/25

PROTON 03/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 98

PREDICTED 02 MAY - 04 MAY 110/115/118

90-DAY MEAN 01 MAY 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 APRIL 19

ESTIMATED AFR/AP 31 MAY 05/06

PREDICTED AFR/AP 02 MAY - 04 MAY 10/11 - 10/11 - 10/11

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HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 122

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 02 MAY 1974

IA. SOLAR ACTIVITY CONTINUES LOW TO MODERATE. X-RAY COVERAGE  
WAS NOT CONTINUOUS, BUT AT 02/1113Z, VELA DETECTED AN M1 X-RAY  
EVENT. OPTICAL OBSERVATIONS WERE NOT AVAILABLE AT THIS TIME.  
REGIONS 392 (S07E54) AND 393 (S12E65) HAVE CONTINUED TO PRODUCE  
OCCASIONAL SUBFLARES WITH A 1N FLARE REPORTED IN REGION 393 AT  
02/0707Z. NEW REGION 395 (S08E62) CONTAINING A SMALL BETA GAMMA  
SPOT GROUP RESULTS IN A COMPLEX MAGNETIC CONFIGURATION WITH ITS  
PROXIMITY TO REGIONS 392 AND 393. A DELTA CONFIGURATION STILL  
EXISTS IN REGION 392. THESE REGIONS DO NOT APPEAR TO BE GROWING  
BUT RETAIN SUFFICIENT COMPLEXITY FOR ADDITIONAL ENERGETIC EVENTS.  
REGION 394 (N07W41) HAS BEEN THE SOURCE OF OCCASIONAL SUBFLARES  
AND DARK SURGES BUT DOES NOT APPEAR TO BE GROWING. AN ISOLATED  
POLE MAY BE LOCATED JUST WEST OF THE LEADER SPOTS OF THIS REGION.  
A LARGE ACTIVE PROMINENCE WAS OBSERVED TO ARCH SOUTHWARD FROM  
SE20, REACHING .14 RADII AT 02/1835Z. TYPE III RADIO BURSTS HAVE  
BEEN OBSERVED AT DEKAMETRIC WAVELENGTHS THROUGH MOST OF THE PERIOD  
WITH TYPE IV CONTINUUM ABOVE 16 MHZ OBSERVED AT VARYING INTENSITIES  
BETWEEN 15-20Z TODAY.

IB. SOLAR ACTIVITY SHOULD BE MODERATE THROUGH THE FORECAST PERIOD  
WITH THE GREATEST LIKELIHOOD OF ENERGETIC ACTIVITY FROM REGIONS  
392, 393, AND 395.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETLED, AND GENERALLY  
UNSETLED CONDITIONS SHOULD CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 - 05 MAY

CLASS M 75/75/75

CLASS X 20/20/20

PROTON 05/08/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAY 114

PREDICTED 03 - 05 MAY 120/124/128

90-DAY MEAN 02 MAY 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 MAY 07

ESTIMATED AFR/AP 02 MAY 13/14

PREDICTED AFR/AP 03 - 05 MAY 10/11 - 10/11 - 10/11

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