

HFUS 1 BOU 040600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 124A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 04 MAY 1974

IA. A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED IN REGION
392 (S09E36). THE OTHER DISK REGIONS HAVE BEEN STABLE AND QUIET.
THE LIMBS ARE QUIET.

IB. REGION 392 WILL CONTINUE TO PRODUCE THE NON-ENERGETIC ACTIVITY.
THE OTHER REGIONS WILL CONTINUE TO BE QUIET AND STABLE.

II. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED. THE DISTURBANCE
WILL ONLY REACH SUB STORM LEVEL AND WILL CONTINUE FOR 24 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 041400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 124B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 04 MAY 1974

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST EIGHT HOURS, AND NO ENERGETIC ACTIVITY HAS BEEN REPORTED. DATA FROM SOLAR OBSERVATORIES HAS BEEN LIMITED BY WEATHER AND CONSTRUCTION. WHAT LITTLE RECENT INFORMATION EXISTS INDICATES THAT THE COMPLEX OF REGIONS 392(S08E31), 393(S12E43), AND 395(S08E38) IS PRESENTLY IN A DORMANT CONDITION. NO SIGNIFICANT RECENT DEVELOPMENT HAS BEEN REPORTED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE REMAINDER OF THE 3-DAY FORECAST PERIOD. REGIONS 392, 393, AND 395 PROBABLY WILL PRODUCE SPORADIC SMALL FLARES.

II. ACTIVE GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 8 HOURS. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE FOR AT LEAST 24 HOURS.

III. EVENT PROBABILITIES 04 - 06 MAY

CLASS M 75/75/75

CLASS X 25/25/25

PROTON 08/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 MAY 114

PREDICTED 04 - 06 MAY 120/122/122

90-DAY MEAN 03 MAY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 MAY 14

ESTIMATED AFR/AP 03 MAY 19/22

PREDICTED AFR/AP 04 - 06 MAY 18/21 - 14/16 - 10/11

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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 124

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 MAY 1974

IA. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 24 HOURS, AND ONLY SIX NON-ENERGETIC SUBFLARES HAVE BEEN REPORTED. REGION 392 (S07E24) PRODUCED FIVE OF THESE SUBFLARES, WHILE REGION 397 (N05W43) PRODUCED ONLY ONE SUBFLARE. REGION 392 HAS DECLINED IN BOTH WHITE LIGHT AND H-ALPHA. OBSERVATIONS WITH THE BOULDER SPECTROHELIOSCOPE REVEAL ONLY A WEAK AREA OF TRAILING POLARITY PHOTOSPHERIC MAGNETIC FIELDS NORTHEAST OF THE DECAYING C-TYPE SPOT GROUP. REGION 395 (S09E34) NOW CONTAINS ONLY A FEW WEAK SPOTS OF LEADING POLARITY. REGION 393 (S12E41) STILL CONTAINS A LARGE MASS OF TRAILING PLAGE THAT HAS SHOWN OCCASIONAL ENHANCEMENTS ALONG THE SOMEWHAT KINKY NEUTRAL LINE THAT RUNS GENERALLY NORTH-SOUTH THROUGH THE REGION. REGION 393 SEEMS TO BE DECLINING IN WHITE LIGHT AND H-ALPHA, ALTHOUGH THE NEUTRAL LINE APPEARS MUCH MORE DISTINCT THAN IT DID YESTERDAY.

REGIONS 397 (N05W43) AND 401 (S06E12) HAVE GROWN IN BOTH WHITE LIGHT AND H-ALPHA, BUT BOTH REGIONS APPEAR SIMPLE. REGION 400 (N10W33) HAS APPEARED AND ALREADY STOPPED DEVELOPING. OTHER REGIONS ARE QUIET AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW DURING THE NEXT 72 HOURS, ALTHOUGH SPORADIC ENERGETIC ACTIVITY IN REGIONS 392, 393, AND 395 IS STILL POSSIBLE. IT SHOULD BE NOTED THAT THESE REGIONS STILL MAYBE CAPABLE OF PRODUCING ONE OR TWO SIGNIFICANT ENERGETIC FLARES AS THEY CONTINUE TO DECAY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS. UNSETTLED CONDITIONS ARE LIKELY DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 05 - 07 MAY

CLASS M 60/50/40

CLASS X 15/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAY 117

PREDICTED 05 - 07 MAY 120/120/120

90-DAY MEAN 04 MAY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 MAY 19

ESTIMATED AFR/AP 04 MAY 25/35

PREDICTED AFR/AP 05 - 07 MAY 14/16 - 10/11 - 20/24

SOLTERWARN

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