

NNNN

KBOU

HOUS 2 BOU 130200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
13/0200Z DECEMBER 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
12/1855Z.

LOCATIONS VALID AT 13 DECEMBER 0000Z.

| NMBR | LOCATION | LO | AREA | Z | LL | NN | MAG | TYPE |
|------|----------|----|------|---|----|----|-----|------|
|------|----------|----|------|---|----|----|-----|------|

|      |        |     |      |   |    |    |       |  |
|------|--------|-----|------|---|----|----|-------|--|
| 0296 | N02E09 | 305 | 0040 | H | 02 | 01 | ALPHA |  |
|------|--------|-----|------|---|----|----|-------|--|

MAGNETIC CLASS FROM MT. WILSON

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 13 DEC 0000Z.

| NMBR | LOCATION | LO |
|------|----------|----|
|------|----------|----|

|      |        |     |
|------|--------|-----|
| 0297 | S14E70 | 244 |
|------|--------|-----|

|      |        |     |
|------|--------|-----|
| 0298 | S21W34 | 348 |
|------|--------|-----|

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECIAL INTEREST-

NONE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 130600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 13 DECEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONE SUBFLARE REPORTED  
IN THE PAST 46 HOURS. ONLY ONE REGION, 296 (N02E06), HAS SPOTS,  
BUT IT IS SMALL AND MAGNETICALLY SIMPLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO  
BECOME UNSETTLED, OCCASIONALLY ACTIVE, 14-15 DECEMBER.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 130600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 13 DECEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONE SUBFLARE REPORTED  
IN THE PAST 46 HOURS. ONLY ONE REGION, 296 (N02E06), HAS SPOTS,  
BUT IT IS SMALL AND MAGNETICALLY SIMPLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO  
BECOME UNSETTLED, OCCASIONALLY ACTIVE, 14-15 DECEMBER.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

NNNN

NNNN

KBOU

HFUS BOU 131300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 13 DEC 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW, AND NO SIGNIFICANT  
ACTIVITY HAS BEEN REPORTED DURING THE PAST SEVEN HOURS. ALL DISK  
REGIONS ARE REPORTED TO BE STABLE OR DECLINING.

IB. A CONTINUATION OF THE PRESENT LACK OF SOLAR ACTIVITY IS  
EXPECTED. OLD REGION 284, WHICH PRODUCED SEVERAL NON-ENERGETIC  
SUBFLARES ON ITS PREVIOUS DISK PASSAGE, IS DUE TO RETURN ON 14  
DECEMBER.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET. QUIET TO UNSETTLED  
CONDITIONS ARE EXPECTED DURING THE REMAINDER OF THE THREE - DAY  
FORECAST PERIOD.

III. EVENT PROBABILITIES 13 DEC - 15 DEC.

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 12 DEC 75

PREDICTED 13 DEC - 15 DEC 76/78/79

90-DAY MEAN 12 DEC 87

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 11 DEC 07

ESTIMATED AFR/AP 12 DEC 03/04

PREDICTED AFR/AP 13 DEC - 15 DEC 05/06 - 07/08 - 10/11

SOLTERWARN

SPAN

BT

HFUS BOU 131300  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 347B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 13 DEC 1973  
IA. SOLAR ACTIVITY HAS REMAINED VERY LOW, AND NO SIGNIFICANT  
ACTIVITY HAS BEEN REPORTED DURING THE PAST SEVEN HOURS. ALL DISK  
REGIONS ARE REPORTED TO BE STABLE OR DECLINING.  
IB. A CONTINUATION OF THE PRESENT LACK OF SOLAR ACTIVITY IS  
EXPECTED. OLD REGION 284, WHICH PRODUCED SEVERAL NON-ENERGETIC  
SUBFLARES ON ITS PREVIOUS DISK PASSAGE, IS DUE TO RETURN ON 14  
DECEMBER.  
II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET. QUIET TO UNSETTLED  
CONDITIONS ARE EXPECTED DURING THE REMAINDER OF THE THREE - DAY  
FORECAST PERIOD.  
III. EVENT PROBABILITIES 13 DEC - 15 DEC.  
CLASS M 05/05/05  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN  
IV. OTTAWA 10.7 CM FLUX.  
OBSERVED 12 DEC 75  
PREDICTED 13 DEC - 15 DEC 76/78/79  
90-DAY MEAN 12 DEC 87  
V. GEOMAGNETIC A INDICES.  
OBSERVED FREDERICKSBURG 11 DEC 07  
ESTIMATED AFR/AP 12 DEC 03/04  
PREDICTED AFR/AP 13 DEC - 15 DEC 05/06 - 07/08 - 10/11  
SOLTERWARN  
SPAN  
BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 DECEMBER 1973.

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH NO FLARES REPORTED. THE SMALL REGIONS PRESENT HAVE SHOWN NO MARKED DEVELOPMENT. A SMALL SURGE SEEN NEAR S12 ON THE EAST LIMB IS PROBABLY EVIDENCE OF THE RETURN OF OLD REGION 284. LIMITED INFORMATION AVAILABLE INDICATES NO SIGNIFICANT CORONAL ENHANCEMENT OVER EAST LIMB, SUGGESTING NO STRONG ACTIVE CENTERS WILL ROTATE INTO VIEW IN THE NEXT DAY OR TWO.

IB. ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW, LIMITED TO INFREQUENT, NONENERGETIC SUBFLARES. SOME INCREASE IN ACTIVITY IS POSSIBLE TOWARD THE END OF THE FORECAST PERIOD AS A SECTOR OF PREVIOUSLY ACTIVE LONGITUDES BEGINS TO APPEAR OVER THE EAST LIMB.

II. THE GEOMAGNETIC FIELD IS QUIET. A RECURRENT DISTURBANCE SHOULD CAUSE THE FIELD TO BECOME UNSETTLED DURING THE MID-PORTION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 DEC - 16 DEC.

CLASS M 05/06/07

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 13 DEC 75

PREDICTED 14 DEC - 16 DEC 77/79/81

90-DAY MEAN 13 DEC 87

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 12 DEC 04

ESTIMATED AFR/AP 13 DEC 04/05

PREDICTED AFR/AP 14 DEC - 16 DEC 08/09 - 10/11 - 06/07

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 DECEMBER 1973.

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH NO FLARES REPORTED. THE  
SMALL REGIONS PRESENT HAVE SHOWN NO MARKED DEVELOPMENT. A SMALL  
SURGE SEEN NEAR S12 ON THE EAST LIMB IS PROBABLY EVIDENCE OF THE  
RETURN OF OLD REGION 284. LIMITED INFORMATION AVAILABLE INDICATES  
NO SIGNIFICANT CORONAL ENHANCEMENT OVER EAST LIMB, SUGGESTING NO  
STRONG ACTIVE CENTERS WILL ROTATE INTO VIEW IN THE NEXT DAY OR  
TWO.

IB. ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW, LIMITED TO  
INFREQUENT, NONENERGETIC SUBFLARES. SOME INCREASE IN ACTIVITY  
IS POSSIBLE TOWARD THE END OF THE FORECAST PERIOD AS A SECTOR  
OF PREVIOUSLY ACTIVE LONGITUDES BEGINS TO APPEAR OVER THE EAST  
LIMB.

II. THE GEOMAGNETIC FIELD IS QUIET. A RECURRENT DISTURBANCE  
SHOULD CAUSE THE FIELD TO BECOME UNSETTLED DURING THE MID-PORTION  
OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 DEC - 16 DEC.

CLASS M 05/06/07

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 13 DEC 75

PREDICTED 14 DEC - 16 DEC 77/79/81

90-DAY MEAN 13 DEC 87

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 12 DEC 04

ESTIMATED AFR/AP 13 DEC 04/05

PREDICTED AFR/AP 14 DEC - 16 DEC 08/09 - 10/11 - 06/07

SOLTERWARN

SPAN

BT