

**Institute of Astronomy  
ETH Zurich**

**RAG Observatory Bleien**

# **Daedalus Spectrometer**

*Observation List*

**1973**

SPECTRAL OBSERVATIONS OF THE SOLAR RADIO EMISSION

Station: Spectrograph of the Swiss Federal Institute of Technology  
Schmelzbergstrasse 25, 8006 Zürich, Switzerland

Year: 1973 Month: January / February  
Usual observing times: 0800 - 1425 UT

| Date  | Times of Observation |        | Events          |        |      |             |        |      | Spectral Type |
|---|----------------------|--------|-----------------|--------|------|-------------|--------|------|---------------|
|   |                      |        | Decimetric Band |        |      | Metric Band |        |      |               |
|   | Start UT             | End UT | Start UT        | End UT | Int. | Start UT    | End UT | Int. |               |
| <u>Jan</u>  |                      |        |                 |        |      |             |        |      |               |
| 5   |                      |        |                 |        |      | 1352.7      | 1352.9 | 2    | <u>III</u> G  |
| No observations on January 9 until January 18.                          |                      |        |                 |        |      |             |        |      |               |
| <u>Feb.</u>   |                      |        |                 |        |      |             |        |      |               |
| No observations on February 1, February 7-9, February 12<br>February 21 |                      |        |                 |        |      |             |        |      |               |

SPECTRAL OBSERVATIONS OF THE SOLAR RADIO EMISSION

Station: Spectrograph of the Swiss Federal Institute of Technology  
Schmelzbergstrasse 25, 8006 Zürich, Switzerland

Year: 1973 Month: March

except March 21, 22, 23 no time corrections available ⇒ time is ± 1 min.

| Date | Times of Observation |        | Events                      |        |      |             |        |      | Spectral Type |
|------|----------------------|--------|-----------------------------|--------|------|-------------|--------|------|---------------|
|      |                      |        | Decimetric Band             |        |      | Metric Band |        |      |               |
|      | Start UT             | End UT | Start UT                    | End UT | Int. | Start UT    | End UT | Int. |               |
| 1    | 0805                 | 1431   |                             |        |      |             |        |      |               |
| 2    | 0805                 | 1431   |                             |        |      |             |        |      |               |
| 3    | 0805                 | 1431   |                             |        |      |             |        |      |               |
| 4    | 0805                 | 1431   |                             |        |      |             |        |      |               |
| 5    | 0805                 | 1431   |                             |        |      |             |        |      |               |
| 6    | 0805                 | 1431   |                             |        |      |             |        |      |               |
| 7    | 0805                 | 1431   |                             |        |      |             |        |      |               |
| 8    | 0806                 | 1430   |                             |        |      |             |        |      |               |
| 9    | 0807                 | 1503   | (Bad tracking)              |        |      |             |        |      |               |
|      |                      |        | no observations March 9-20  |        |      |             |        |      |               |
| 21   | 0706                 | 0732   |                             |        |      |             |        |      |               |
|      | 0810                 | 1142   |                             |        |      |             |        |      |               |
| 22   | 0704                 | 1500   | 0705.7                      | 0705.9 |      |             |        |      | III G         |
| 23   | 0705                 | 1501   |                             |        |      |             |        |      |               |
|      |                      |        | no observations March 24-29 |        |      |             |        |      |               |
| 30   | 0704                 | 1500   | 0711.8                      | 0712.8 | 1    | 0711.5      | 0715.5 | 2    | III G, V      |
|      |                      |        | 0737.3                      | 0738.8 | 2    | 0736.5      | 0738.9 | 3    | III G         |
|      |                      |        |                             |        |      | 0811.6      | 0811.7 | 1    | III G         |
|      |                      |        | 0813.4                      | 0813.5 | 2    | 0813.4      | 0813.5 | 2    | U             |
|      |                      |        | 0938.1                      | 0938.3 | 1    | 0938.1      | 0938.3 | 2    | III G         |
|      |                      |        | 1158.6                      | 1159.3 | 1    |             |        |      | III G         |
|      |                      |        | 1110.6                      | 1110.7 | 2    | 1110.6      | 1110.7 | 2    | U             |
|      |                      |        |                             |        |      | 1117        | 1300   | 3    | IS            |
|      |                      |        | 1136.6                      | 1136.8 | 2    | 1136.6      | 1136.8 | 2    | III G         |
|      |                      |        | 1143.8                      | 1146.1 | 1    | 1144.0      | 1146.1 | 1    | III G         |
|      |                      |        |                             |        |      | 1203.3      | 1203.4 | 3    | III           |
|      |                      |        | 1223.7                      | 1224.1 | 1    | 1221.8      | 1224.1 | 2    | III G         |
|      |                      |        |                             |        |      | 1230.0      | 1230.0 | 2    | III           |
|      |                      |        |                             |        |      | 1439.0      | 1439.3 | 2    | III G         |
| 31   | 0704                 | 1500   | 0735.2                      | 0735.4 | 1    |             |        |      | III G         |

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Year: 1973 Month: March

| Date       | Times of Observation |        | Events          |        |      |             |        |      | Spectral Type |
|------------|----------------------|--------|-----------------|--------|------|-------------|--------|------|---------------|
|            |                      |        | Decimetric Band |        |      | Metric Band |        |      |               |
|            | Start UT             | End UT | Start UT        | End UT | Int. | Start UT    | End UT | Int. |               |
| 31 (cont.) |                      |        |                 |        |      | 0907.7      | 0907.8 | 1    | III           |
|            |                      |        |                 |        |      | 1037        | 1240   | 1    | I S           |
|            |                      |        |                 |        |      | 1240.0      | 1240.0 | 1    | III           |
|            |                      |        |                 |        |      | 1339.2      | 1339.3 | 1    | III G         |

SPECTRAL OBSERVATIONS OF THE SOLAR RADIO EMISSION

Station: Spectrograph of the Swiss Federal Institute of Technology  
Schmelzbergstrasse 25, 8006 Zürich, Switzerland

Year: 1973 Month: April

Usual observing times : 1000 - 1430 UT

| Date                       | Times of Observation |        | Events          |        |      |             |        |      | Spectral Type |
|----------------------------|----------------------|--------|-----------------|--------|------|-------------|--------|------|---------------|
|                            |                      |        | Decimetric Band |        |      | Metric Band |        |      |               |
|                            | Start UT             | End UT | Start UT        | End UT | Int. | Start UT    | End UT | Int. |               |
| 1                          |                      |        |                 |        |      | 1340.0      | 1340.5 | 2    | <u>III</u> G  |
| 2                          |                      |        |                 |        |      | 1333.3      | 1333.4 | 1    | <u>III</u> G  |
| no observations April 3-30 |                      |        |                 |        |      |             |        |      |               |



SPECTRAL OBSERVATIONS OF THE SOLAR RADIO EMISSION

Station: Spectrograph of the Swiss Federal Institute of Technology  
Schmelzbergstrasse 25, 8006 Zürich, Switzerland

Year: 1973 Month: June

Usual observing times: 0555 - 1550 UT

| Date | Times of Observation |        | Events          |        |      |             |        |      | Spectral Type |
|------|----------------------|--------|-----------------|--------|------|-------------|--------|------|---------------|
|      |                      |        | Decimetric Band |        |      | Metric Band |        |      |               |
|      | Start UT             | End UT | Start UT        | End UT | Int. | Start UT    | End UT | Int. |               |
| 11   | 0541                 | 1240   | 0541            | 1050   | 2    |             |        |      | IV            |
|      |                      |        | 0641.8          | 0643   | 3    | 0641.8      | 0643   | 3    | III GG        |
|      |                      |        | 0753.3          | 0753.5 | 3    | 0753.3      | 0753.5 | 3    | III G         |
| 13   |                      |        | 0700.5          | 0701.1 | 3    | 0700.5      | 0701.1 | 3    | III G         |
|      |                      |        | 0801.0          | 0801.6 | 3    | 0801.0      | 0801.6 | 3    | UNCLF         |
|      |                      |        | 0805.3          | 0805.5 | 3    | 0805.3      | 0805.5 | 3    | III G         |
| 15   | no observations      |        |                 |        |      |             |        |      |               |
| 16   |                      |        | 1422.6          | 1424.5 | 2    | 1422.4      | 1425.5 | 2    | III GG, RB    |
| 27   |                      |        | 0613            | 0621   | 2    |             |        |      | IV            |
|      |                      |        | 0634            | 0637   | 1    |             |        |      | IV            |

SPECTRAL OBSERVATIONS OF THE SOLAR RADIO EMISSION

Station: Spectrograph of the Swiss Federal Institute of Technology  
Schmelzbergstrasse 25, 8006 Zürich, Switzerland

Year: 1973 Month: July

Usual observing times 0700 - 1550 UT ✓

| Date | Times of Observation                              |        | Events          |        |      |             |        |      | Spectral Type |
|------|---|--------|-----------------|--------|------|-------------|--------|------|---------------|
|      |   |        | Decimetric Band |        |      | Metric Band |        |      |               |
|      | Start UT  | End UT | Start UT        | End UT | Int. | Start UT    | End UT | Int. |               |
|      | no observations on July 7, 10, 14, 18, 25         |        |                 |        |      |             |        |      |               |
|      | limited frequency resolution on July 26-31        |        |                 |        |      |             |        |      |               |
|      | limited frequency and time resolution on July 4-6 |        |                 |        |      |             |        |      |               |
|      | no burst detected in the month of July            |        |                 |        |      |             |        |      |               |



SPECTRAL OBSERVATIONS OF THE SOLAR RADIO EMISSION

Station: Spectrograph of the Swiss Federal Institute of Technology  
Schmelzbergstrasse 25, 8006 Zürich, Switzerland

Year: 1973

Month: August

Usual observing times: 0550 - 1555 UT

| Date   | Times of Observation |              | Events          |        |      |             |        |      | Spectral Type |  |
|--------|----------------------|--------------|-----------------|--------|------|-------------|--------|------|---------------|--|
|        |                      |              | Decimetric Band |        |      | Metric Band |        |      |               |  |
|        | Start UT             | End UT       | Start UT        | End UT | Int. | Start UT    | End UT | Int. |               |  |
| 2      | no observations      |              |                 |        |      |             |        |      |               |  |
| 6      | 1307                 |              |                 |        |      |             |        |      |               |  |
| 7-9    | no observations      |              |                 |        |      |             |        |      |               |  |
| 25, 26 | no observations      |              |                 |        |      |             |        |      |               |  |
| 30     | 0549<br>0921         | 0837<br>1454 | 0827.3          | 0830.5 | 3    | 0829.2      | 0830.5 | 3    | <u>III</u> GG |  |

12.11.73 ✓

SPECTRAL OBSERVATIONS OF THE SOLAR RADIO EMISSION

Station: Spectrograph of the Swiss Federal Institute of Technology  
Schmelzbergstrasse 25, 8006 Zürich, Switzerland

Year: 1973 Month: September / October

Usual observing times: 0722 - 1600 UT

| Date             | Times of Observation                 |        | Events          |        |      |             |        |      | Spectral Type |              |
|------------------|--------------------------------------|--------|-----------------|--------|------|-------------|--------|------|---------------|--------------|
|                  |                                      |        | Decimetric Band |        |      | Metric Band |        |      |               |              |
|                  | Start UT                             | End UT | Start UT        | End UT | Int. | Start UT    | End UT | Int. |               |              |
| <u>September</u> |                                      |        |                 |        |      |             |        |      |               |              |
| 4                |                                      |        | 0947.3          | 0948.2 | 3    | 0947.2      | 0948.5 | 3    |               | III GG       |
| 5                |                                      |        | 0919.9          | 0920.1 | 1    | 0919.9      | 0920.1 | 1    |               | III G        |
| 6                | 0755                                 | 1547   | 1411.2          | 1411.2 | 1    | 1411.2      | 1411.2 | 1    |               | III          |
|                  | No observations on September 8 and 9 |        |                 |        |      |             |        |      |               |              |
| <u>October</u>   |                                      |        |                 |        |      |             |        |      |               |              |
|                  | no observations on October 10 and 11 |        |                 |        |      |             |        |      |               |              |
| 28               |                                      |        | 1055.2          | 1055.5 | 3    | 1054.7      | 1055.5 | 2    |               | III GG, U, V |
|                  | October 29-31 not yet available.     |        |                 |        |      |             |        |      |               |              |