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Title : Comparision of speeds (both axes) for servo.

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## ABSTRACT

The four dishes were slewed in elevation and azimuth through some anglr large enough. The time taken by each antenna to slew by that angle was recorded.

As the elevation and azimuth axis speeds are different for some antennas, the time taken to reach the same target angle is different fot the dishes.

For details, please see the results enclosed.

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14th Sept, 1994.
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The four dishes were slewed in elevation from 90 to 20 deg and time taken by each antenna for this is measured. Next, azimuth is slewed from antenna az 100 to -100 deg. The time taken to slew by that angle was recorded for each antenna.

As per specifications,
Slew speed for elevation axis : 20 deg/min
Slew speed for azimuth axis : 30 deg/min

Elevation: 70 deg slew (average of coming down & going up)
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| Antenna Name | Time taken (mm:ss) | Speed deg/min |
|---|---|---|
| C3 | 4:12 (4.20min) | 16.67 |
| C12 | 4:00 (4.00min) | 17.50 |
| C4 | 4:40 (4.67min) | 14.98 |
| C9 | 4:05 (4.83min) | 14.49 |

Azimuth: 200 deg slew
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| Antenna Name | Time taken (mm:ss) | Speed deg/min |
|---|---|---|
| C3 | 7:50 (7.83min) | 25.54 |
| C12 | 6:53 (7.88min) | 29.07 |
| C4 | 8:00 (8.00min) | 25.00 |
| C9 | 7:45 (7.75min) | 25.81 |