

SuperDARN Scheduling Working Group Report

Gareth Chisham, and the
Scheduling Working Group

Presented by Tim Yeoman

SuperDARN Workshop 2008



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Scheduling Changes in the Last Year

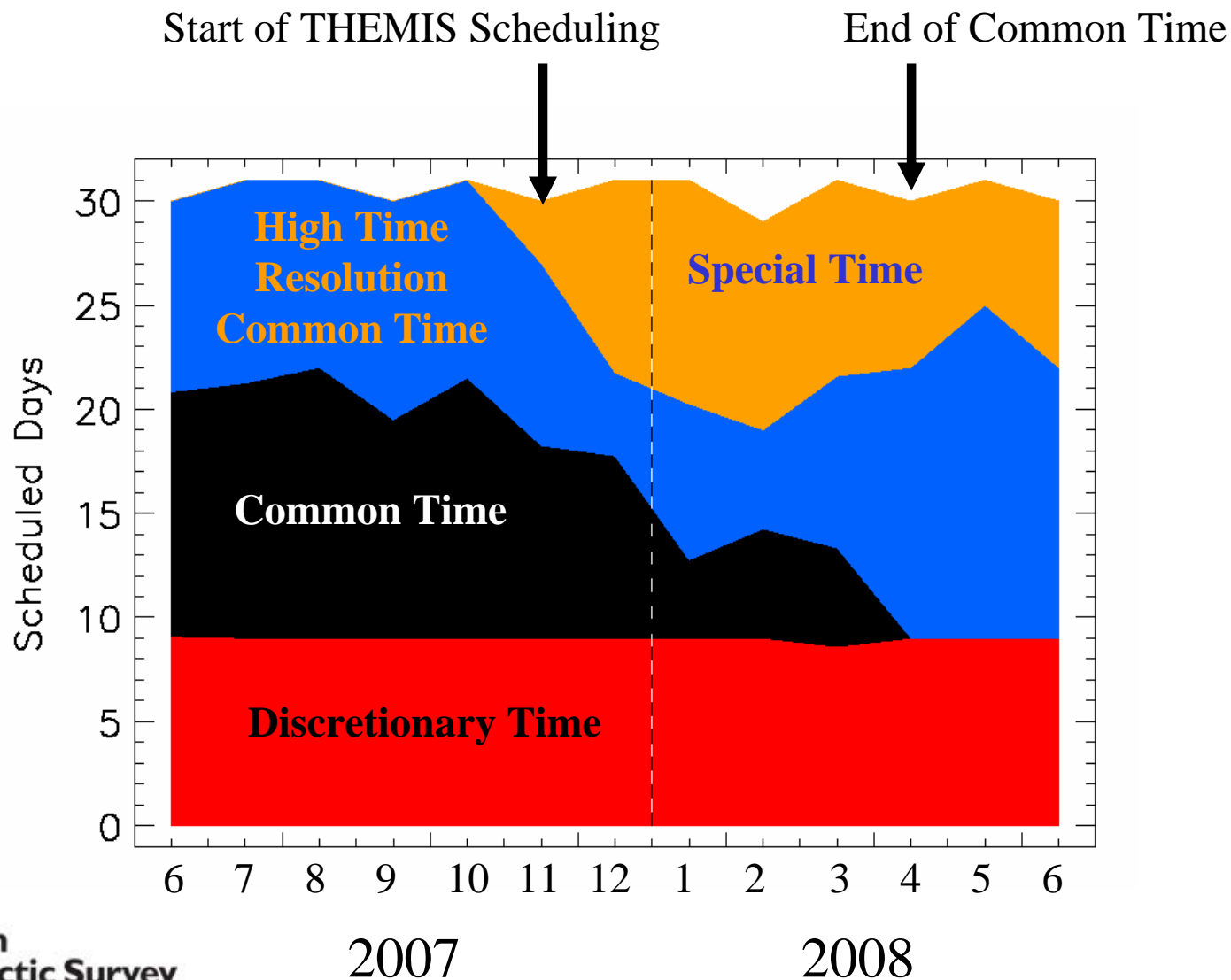
- New Scheduling Working Group chair – Gareth Chisham has taken over from Dieter Andre.
- All common time intervals are now running 1-minute scans (high-time resolution common time mode).
- Introduction of the THEMIS special time mode.



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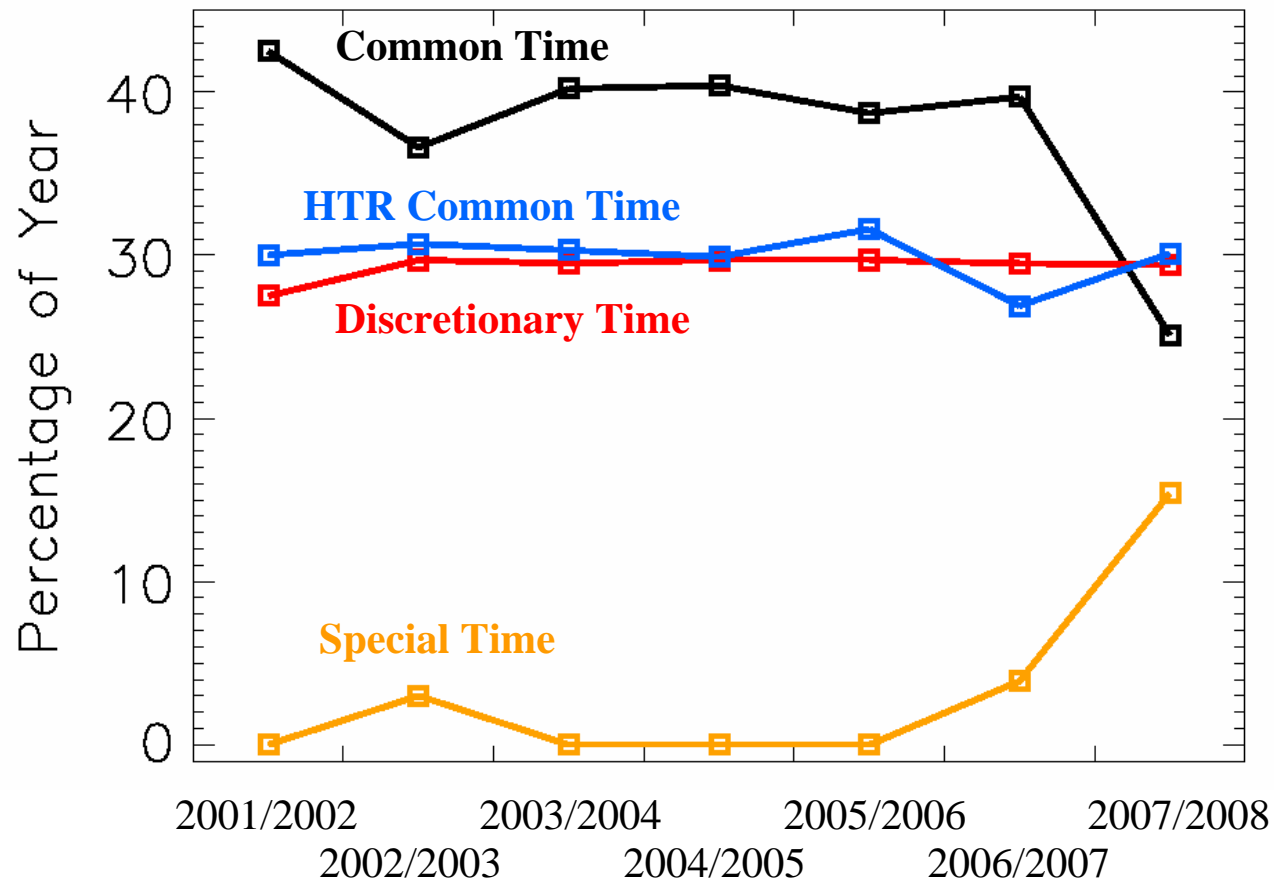
SuperDARN Time Usage 2007/8



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SuperDARN Time Usage Yearly Variation



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Scheduling Issues (1)

Should THEMIS time be classified as Special Time?

- If YES – present scheduling guidelines have a maximum of 6 days of special time per month. Should this be changed or is THEMIS scheduling a special case? How does this affect other special time requests?
- If NO – how should special time be classified? As ‘THEMIS common time’? (This is effectively what it is).



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Scheduling Issues (2)

Should we redefine Common Time to provide more flexibility?
(as suggested in Dieter's presentation last year)

- **Restrictive Common Mode** – As now, but range gates can extend to 100
- **Relaxed Common Mode** –
 - Radar must make measurements that cover the standard field of view in a 1-minute synchronised scan.
 - Integration time per beam, number of beams, number of gates, etc. are allowed to vary.
 - No restrictions regarding scan symmetry or operating frequency.
 - Each PI is responsible for ensuring that radar operation is consistent with standard software.
- **Another Common Mode definition?**



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