



## 4<sup>th</sup> TDM Science Team Meeting

### Splinter New Techniques and ATI



## New Techniques and ATI: Requests and Recommendations

- prolong ATI phase at the beginning to two months
- add second ATI phase at the end of the proposed 12 months cycle
- 50 m ...100 m along-track baselines (i.e. satellite separation) desired
  - also shorter baselines for some applications
- suitable ATI baselines are requested for a wide latitude range:
  - two options discussed:
    - systematic shift after each 11 day cycle
    - systematic shifts/drifts in sub-cycles
- check feasibility of ATI acquisitions for at least 1 latitude in the remaining times (also in combination with large cross-track baselines)
- a priori knowledge of detailed acquisition times is highly desired
- establish super-test-sites for ATI
- better coordination between different ATI acquisition requests



## New Techniques and ATI: Requests and Recommendations

- prolong DRA phase
- alternating bistatic mode is also of interest for ATI
- some requests also for polarimetric ATI acquisitions
- ScanSAR for ATI?
- sea ice drift is another ATI application which may already now be served with suitable baselines (should be checked)
- some interest also on long along-track baselines (e.g. 3 seconds in pursuit monostatic mode)
- suggestion of a phase where one satellite is physically squinted (at final separation of the satellites)