

Caltech Array Test Splinter

Minutes

Agenda

1. Test document discussion
2. Schedule & logistics for QMW tests
 - Schedule
 - Personnel movements
 - Equipment & bench/floor/office space requirements
3. Plans for QM, PFM & FS models
 - Deliverables
 - Schedule
 - IDP

Minutes

Test document comments

- VI tests
 - JPL & CEA have common bias
 - GSFC bias is row selectable
 - CEA – can't perform a true VI, only V_{bias} vs. V_{out} .
- Optical responsivity
 - Detector/Bacus optical coupling needs some thought
 - Re-image focus outside dewar for external tests
- Spatial response test upgraded to priority 1
- Best method for estimating cross-talk is by the use of gamma ray hits
- Filters needed for external tests....suggest 100 micron edge plus 1% ND – PARA to be consulted
 - JPL would like filters within 1 month (end June)
 - GSFC would need them by 1st August
- FTS Interfaces
 - JPL can give an output to the QMW FTS, or encode the FTS position signal to their data stream
 - GSFC will need to encode the FTS position signal
- New priority 3 test requested – CEA would like to test array angular response

Test schedule and logistics

- JPL hope to ship 1st September, to arrive at QMW 8th September
 - Need US power supplies
 - Estimated test campaign duration = 5 weeks
 - 2-3 people to support throughout
- GSFC hope to have dewar at QMW 18th October, allowing 5 days for delivery
 - May need power supplies for battery chargers – Rick Schaefer to confirm
 - 5 week estimated test campaign

- 2-3 people to support throughout
- CEA – Tests at QMW throughout summer
 - 4 arrays completed
 - Final array to arrive at QMW 1st November

List of actions

No.	Action	Who	When
1	Comments needed on test document	Array groups	31/5/99
2	Investigate external filter availability/definitions	PCH/PARA	31/5/99
3	BACUS optical design/ZEMAX file to array groups	PCH	31/5/99
4	FTS interface details to array groups	PCH/PARA	31/5/99
5	QMW shipping agent info to US groups	PCH	31/5/99
6	Letter of agreement to be refined & circulated to GSFC	Bill Gray	4/6/99
7	US groups to investigate and identify any potential shipping problems	GSFC/JPL	2/7/99
8	Array groups to provide detailed inventory, and list of QMW provided equipment	Array groups	4/6/99 for 1 st draft
9	All array groups to send QMW e-mail/letter stating lab/bench/office space requirements	Array groups	31/5/99
10	Array groups to provide PCH with QMW test phase schedules	Array groups	31/5/99
11	Test document revision and re-circulation post action #1	PCH	7/6/99
12	QMW/Array groups to clarify qualification tests/deliverables/schedules at least to CQM. PCH needs schedules & list of deliverables/tests up to CQM (at least)	Array groups / PCH	7/6/99