

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6310 - L2 Version 3
Chandra X-Ray Center

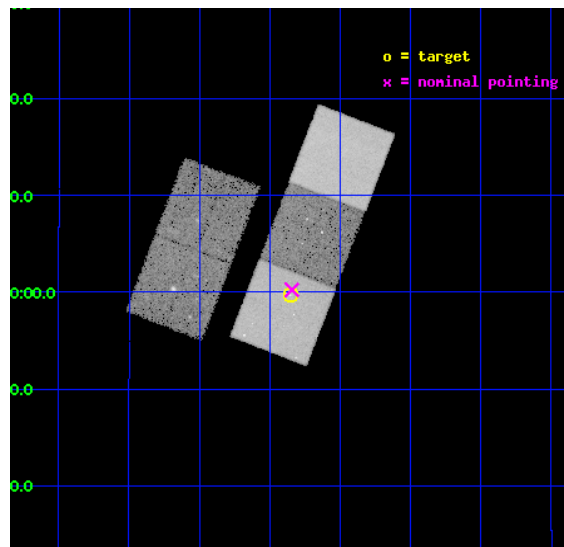
L2 Processing Date : Dec 25 2012

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1 Front

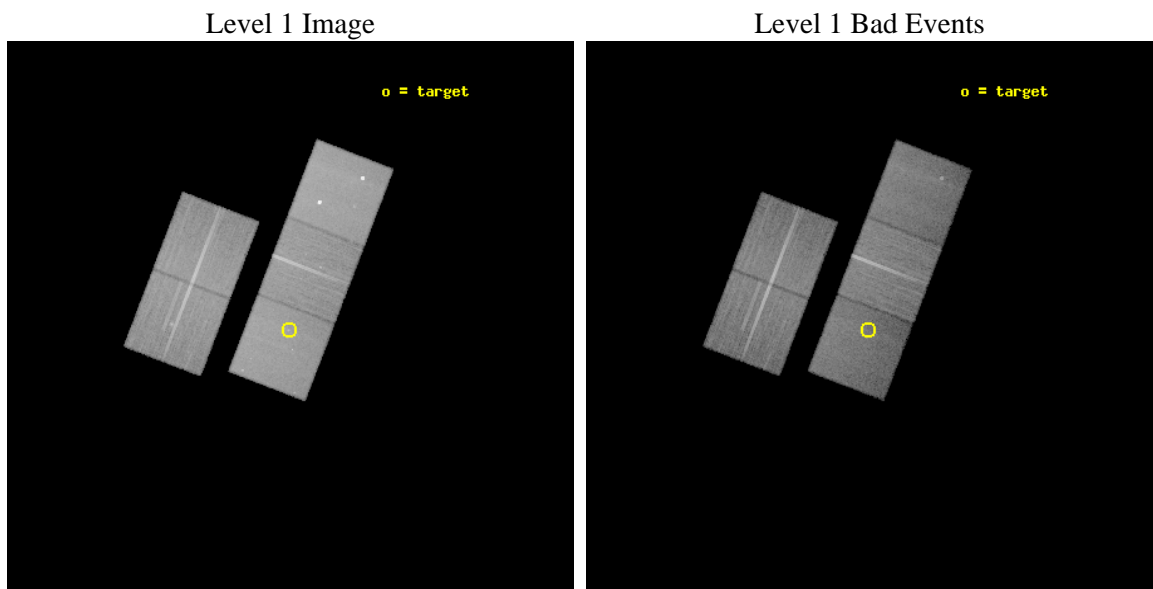
seq_num	701114	Sequence number
obs_id	6310	Observation id
title	The X-ray Jet of the X-ray faint supermassive nuclear black hole in NGC 821	Proposal title
observer	Dr. Giuseppina Fabbiano	Principal investigator
object	NGC821	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	32.0875	Observer's specified target RA [deg]
dec_targ	10.99475	Observer's specified target Dec [deg]
ra_nom	32.085623637556	Nominal RA [deg]
dec_nom	11.004252297458	Nominal Dec [deg]
roll_nom	111.05699279941	Nominal Roll [deg]
revision	3	Processing version of data
ontime	32438.3999376	Sum of GTIs [s]
livetime	32014.568361613	Livetime [s]
ontime2	32435.258977324	Sum of GTIs [s]
ontime3	32435.258977324	Sum of GTIs [s]
ontime5	32438.3999376	Sum of GTIs [s]
ontime6	32438.3999376	Sum of GTIs [s]
ontime7	32438.3999376	Sum of GTIs [s]
l2events	287385	Number of level 2 events



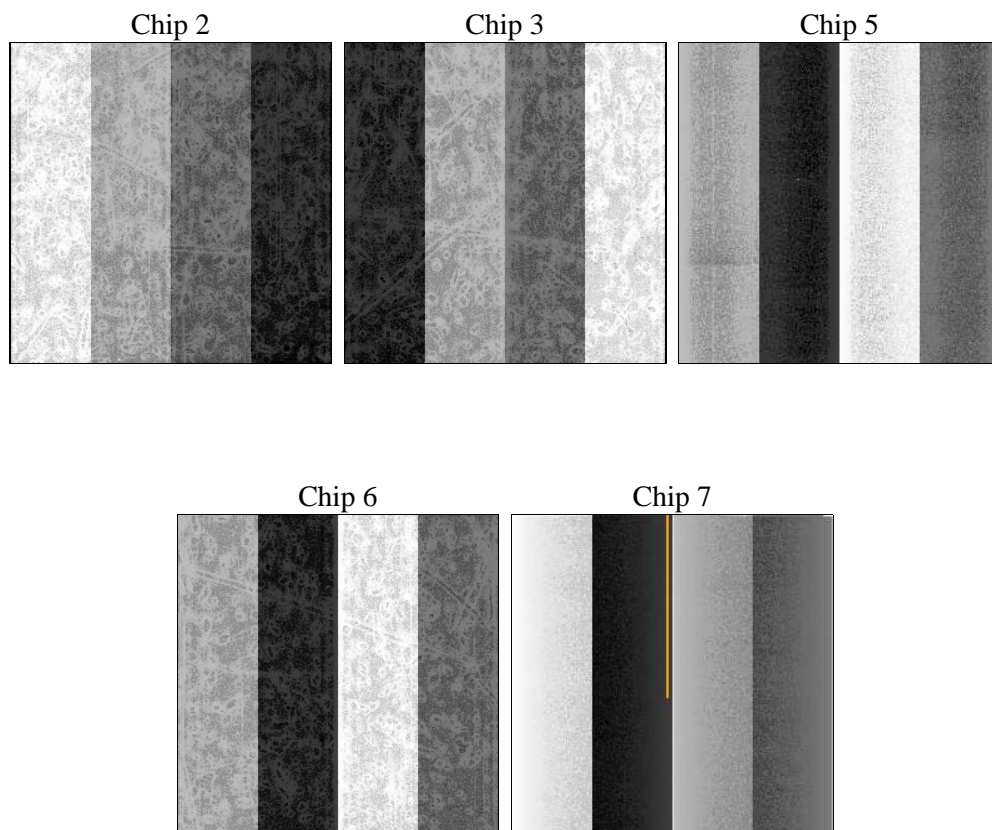
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32306.888000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	32438.3999376	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	32435.258977324	Sum of GTIs [s]
date	2012-12-25T07:15:06	Date and time of file creation	ontime3	32435.258977324	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	32438.3999376	Sum of GTIs [s]
			ontime6	32438.3999376	Sum of GTIs [s]
			ontime7	32438.3999376	Sum of GTIs [s]
			l1events	1187329	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	216252	207829	301642	221394	240212
rejected events	195932	187885	150576	199698	134229
rejected %	90%	90%	49%	90%	55%

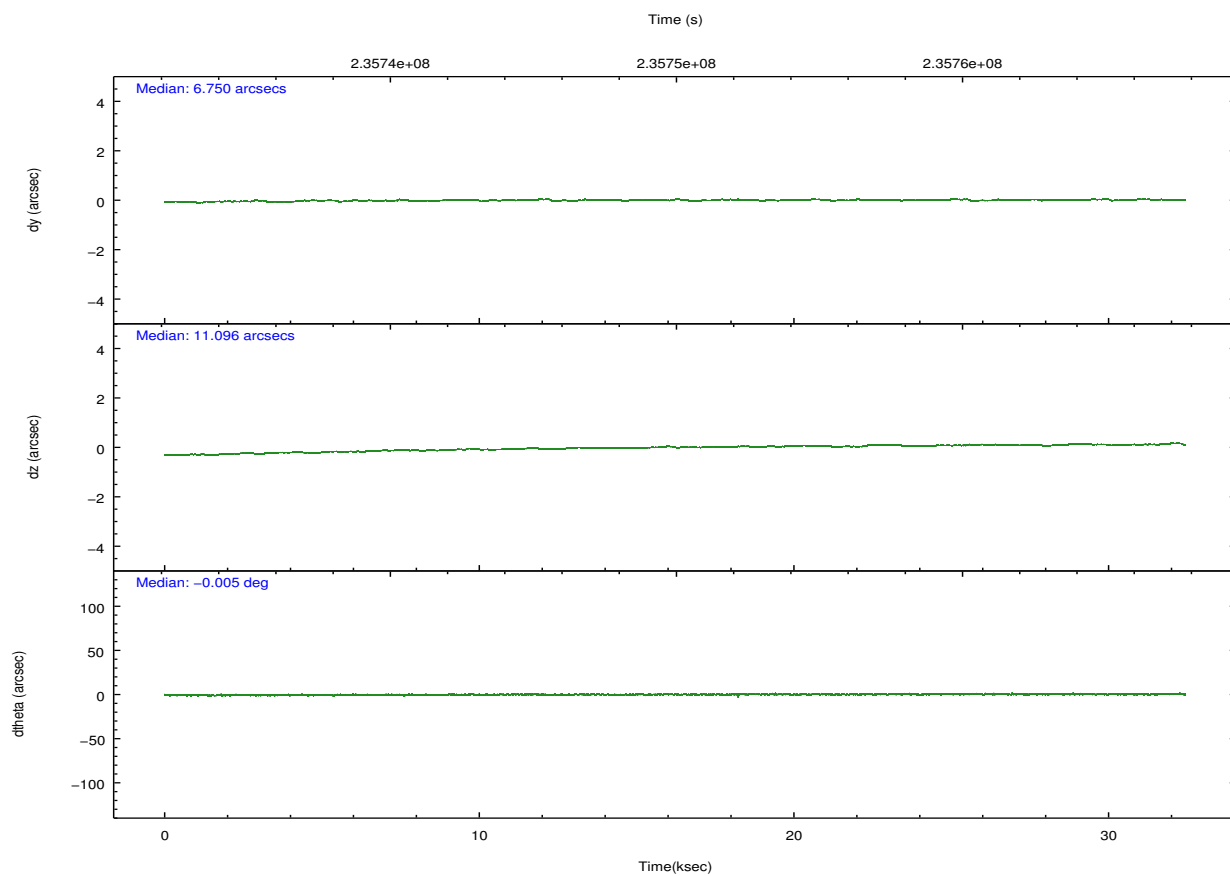
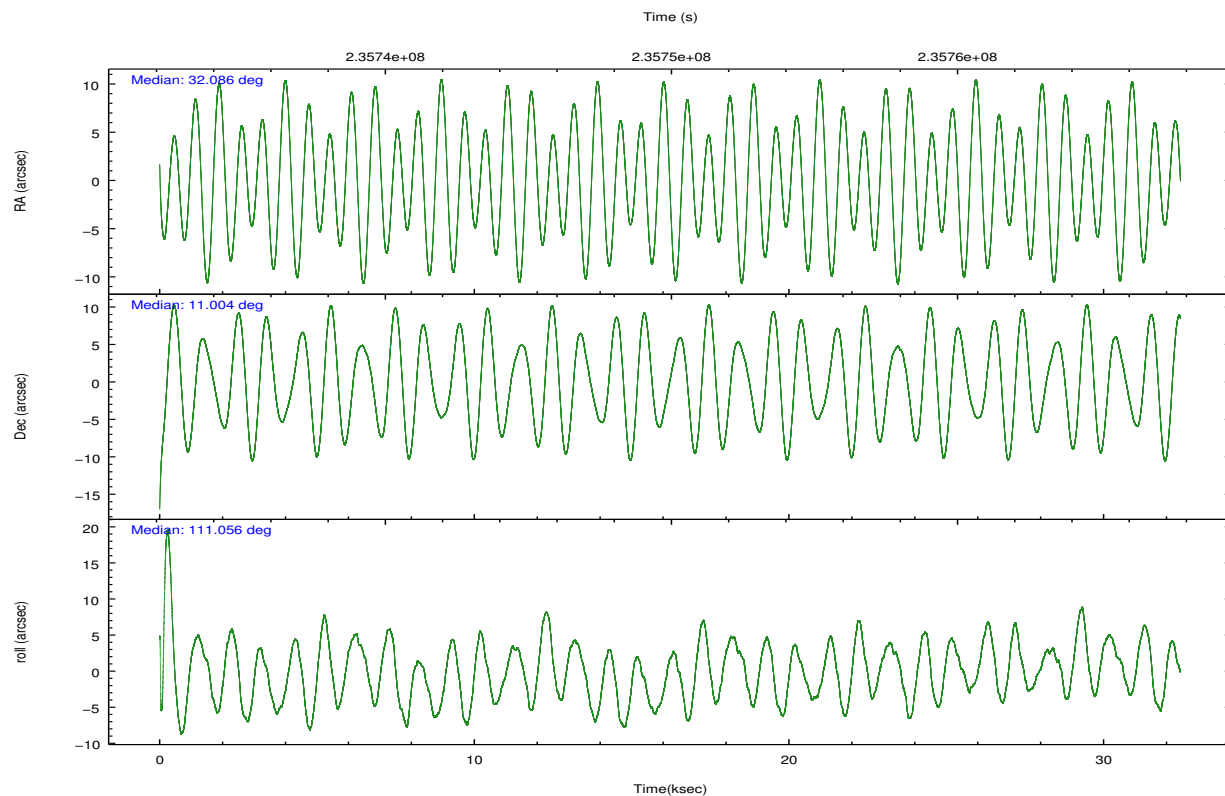
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	7593	7463	20463	7864	9824
	3%	3%	6%	3%	4%
grade 1 events	100	111	956	109	219
	0%	0%	0%	0%	0%
grade 2 events	4738	4356	46379	4740	21888
	2%	2%	15%	2%	9%
grade 3 events	2247	2321	6527	2409	10226
	1%	1%	2%	1%	4%
grade 4 events	2392	2287	6282	2492	10239
	1%	1%	2%	1%	4%
grade 5 events	6812	8466	23652	8597	25648
	3%	4%	7%	3%	10%
grade 6 events	3830	3978	74948	4669	56233
	1%	1%	24%	2%	23%
grade 7 events	188540	178847	122435	190514	105935
	87%	86%	40%	86%	44%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23567	ACIS-23567
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	32.107433	32.08562363755565
[deg] Pointing Dec	10.987414	11.00425229745805
[deg] Pointing Roll	110.896198	111.056992799413
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	235733865.184000	235732521.6965
Observation start date	2005-06-21T09:36:41	2005-06-21T09:15:21
[s] Observation end time (MET)	235766172.184000	235766399.48555
Observation end date	2005-06-21T18:35:08	2005-06-21T18:39:59
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect

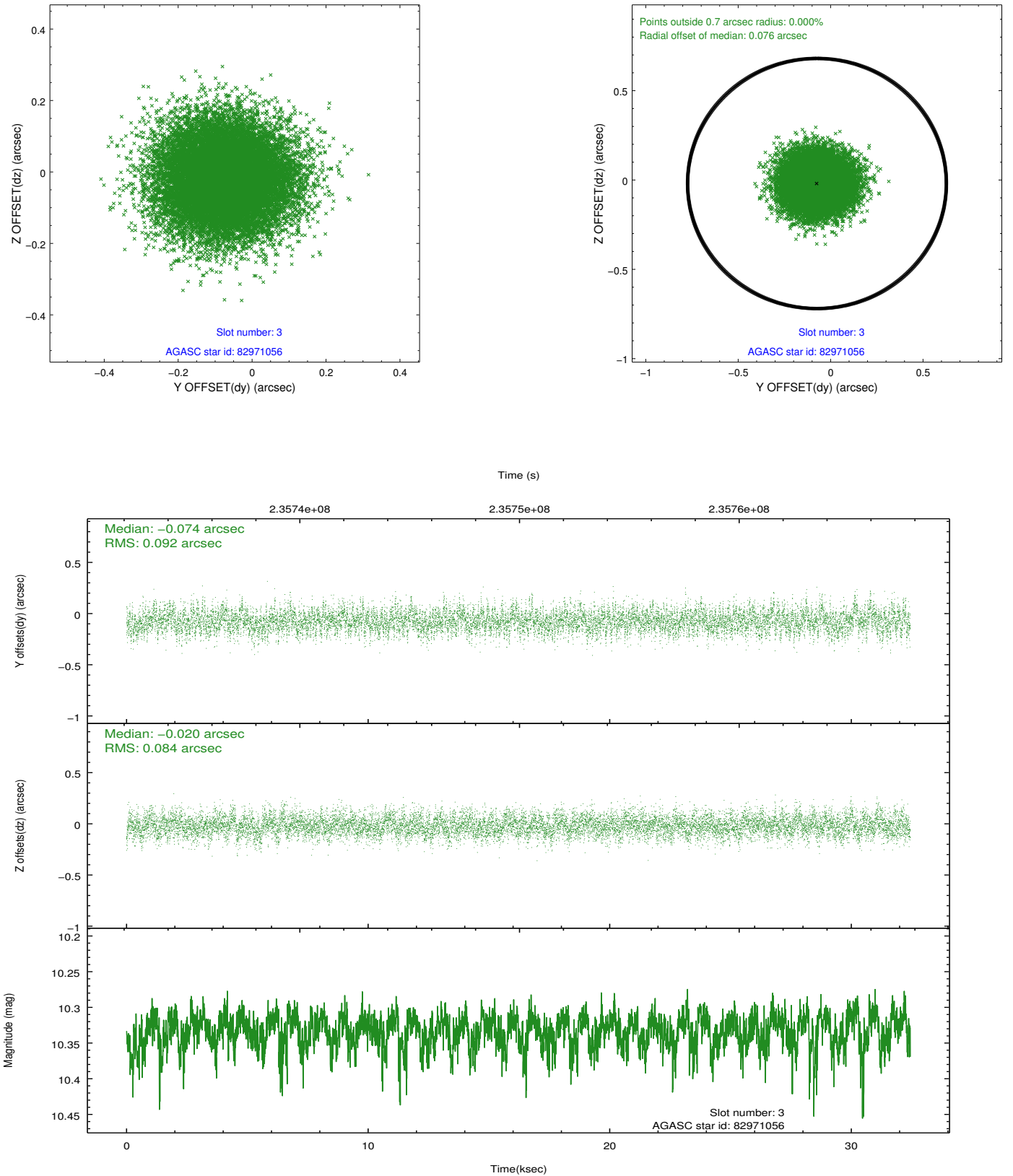


Slot Statistics

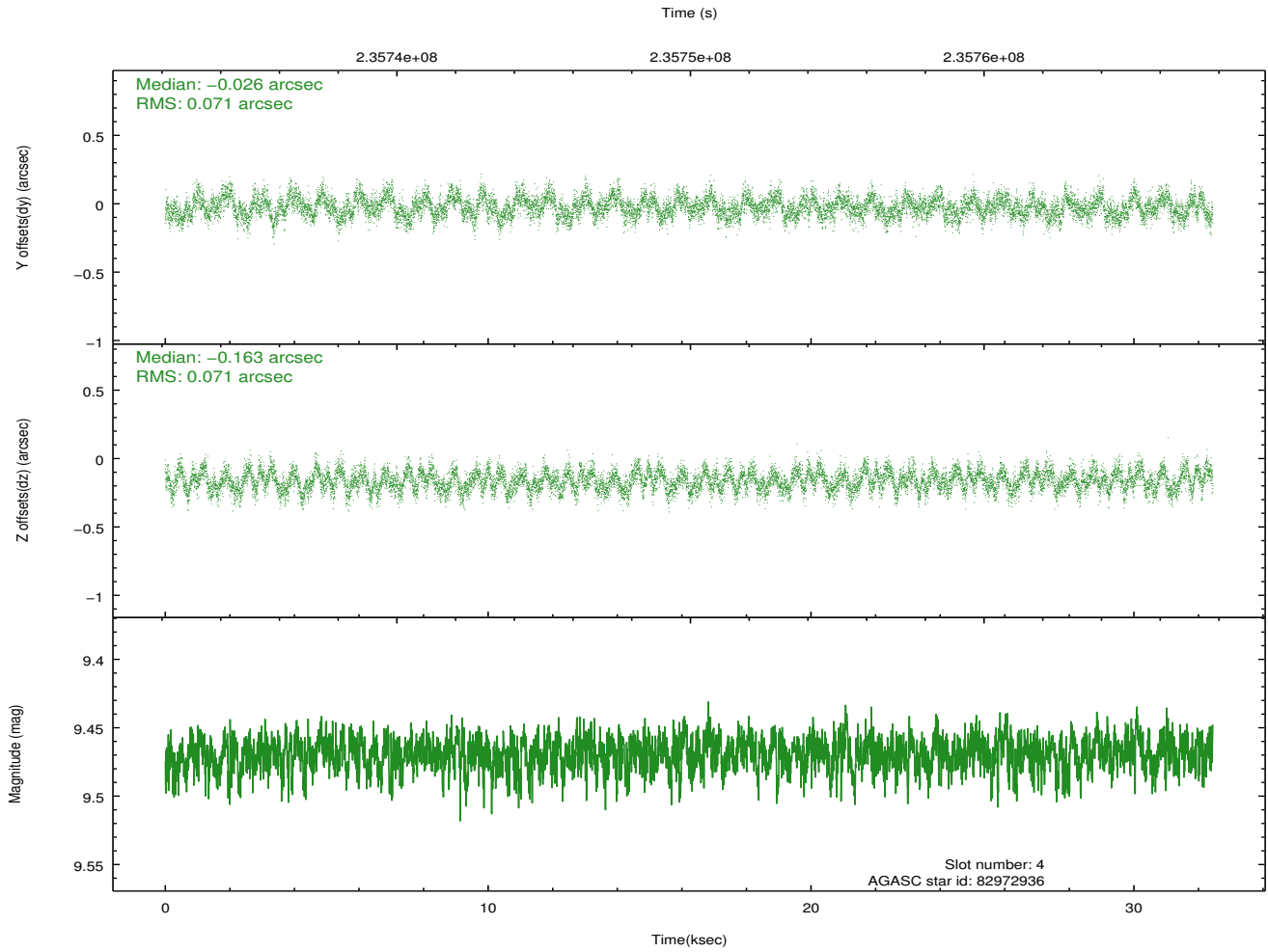
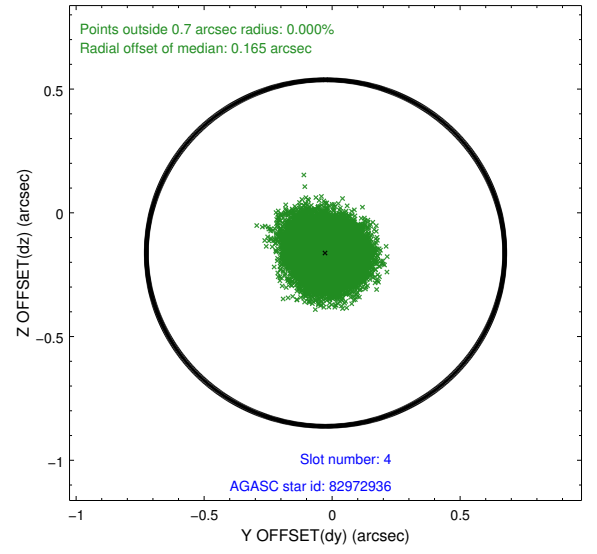
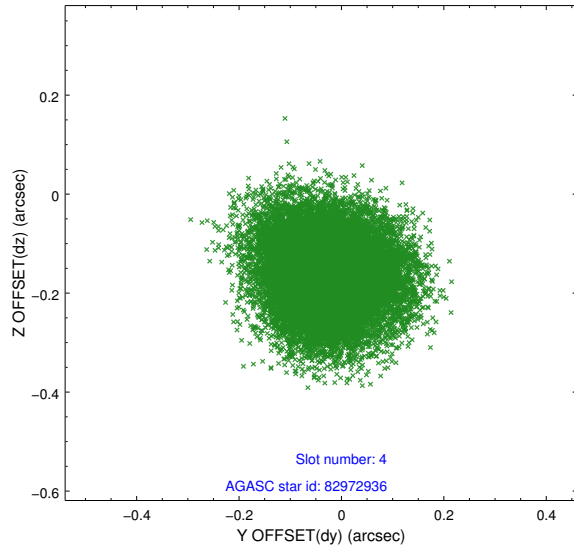
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	7913	0.003	-0.073	0.009	0.016	0.000000	0.000000	936.54	-1728.05
1	FID	ACIS-S-4	7.20	7911	0.048	0.054	0.007	0.011	0.000000	0.000000	2154.02	176.18
2	FID	ACIS-S-5	7.23	7914	-0.078	0.032	0.006	0.011	0.000000	0.000000	-1812.34	169.81
3	GUIDE	82971056	10.33	15797	-0.074	-0.020	0.133	0.215	31.381677	11.249277	1797.72	2056.75
4	GUIDE	82972936	9.47	15819	-0.026	-0.163	0.108	0.170	31.880349	11.323150	1415.57	317.76
5	GUIDE	82976088	10.28	15789	0.156	-0.195	0.237	0.384	31.548572	10.635312	-476.95	2298.33
6	GUIDE	82976744	9.49	15815	0.171	0.098	0.109	0.173	32.095784	10.602457	-1279.66	533.15
7	GUIDE	82974960	9.84	15811	-0.253	0.285	0.156	0.253	31.911636	11.621581	2379.07	-168.94

2.4 Star Slots

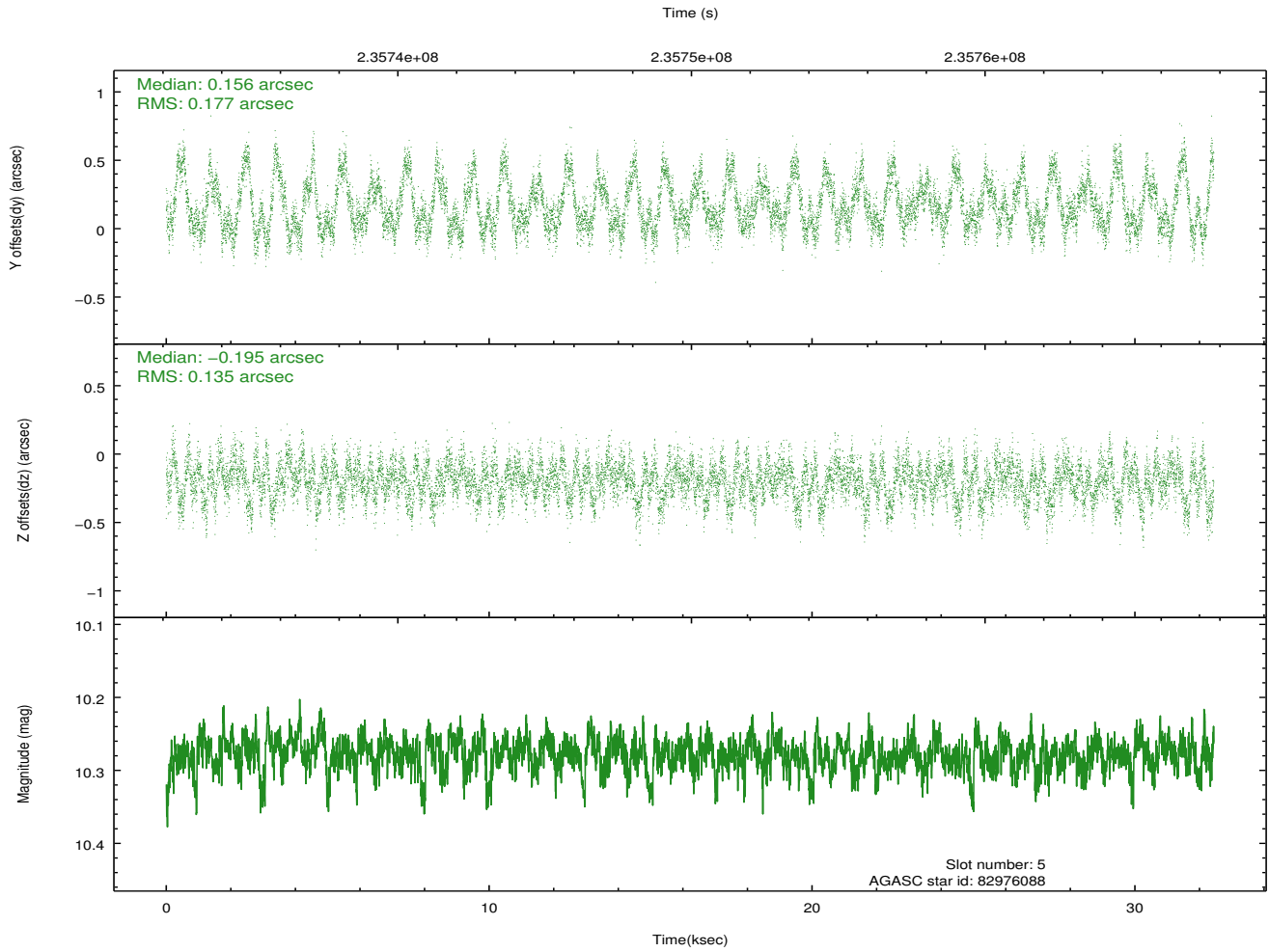
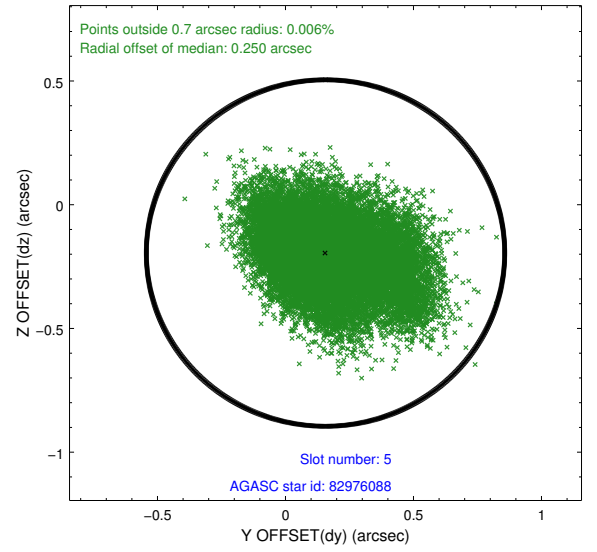
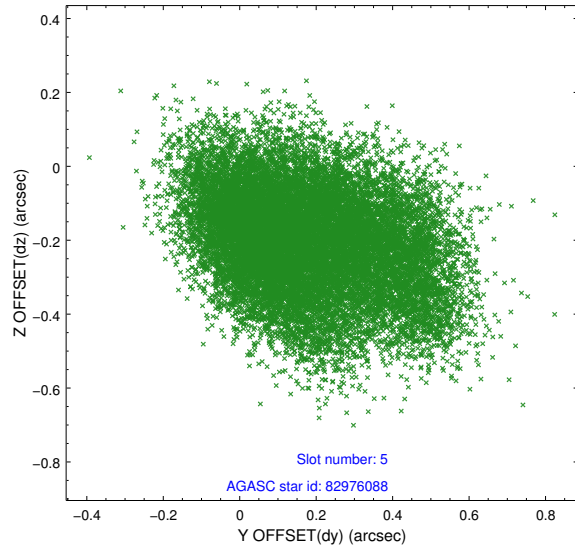
2.4.1 Slot 3



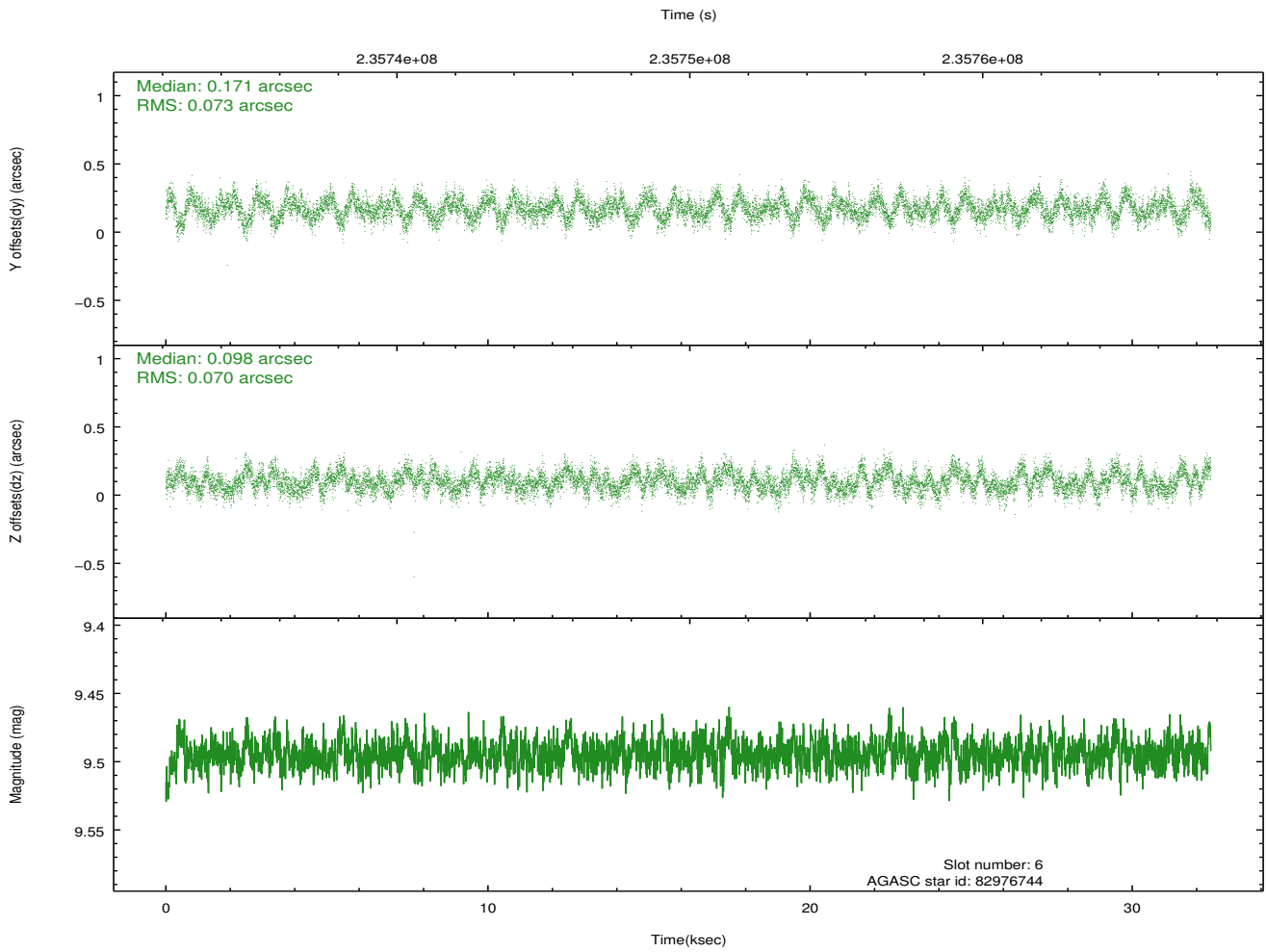
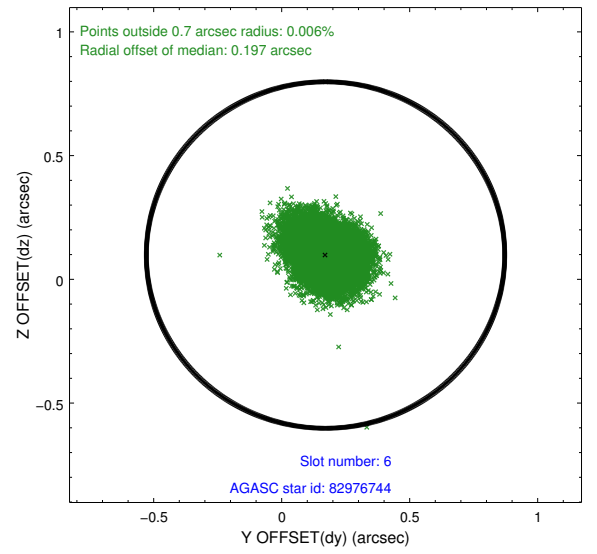
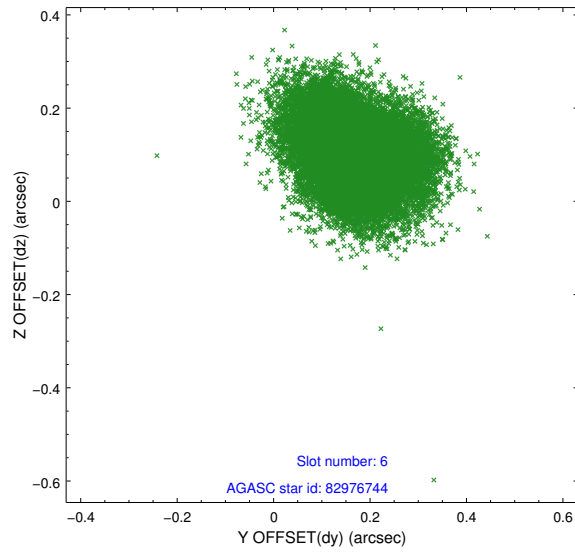
2.4.2 Slot 4



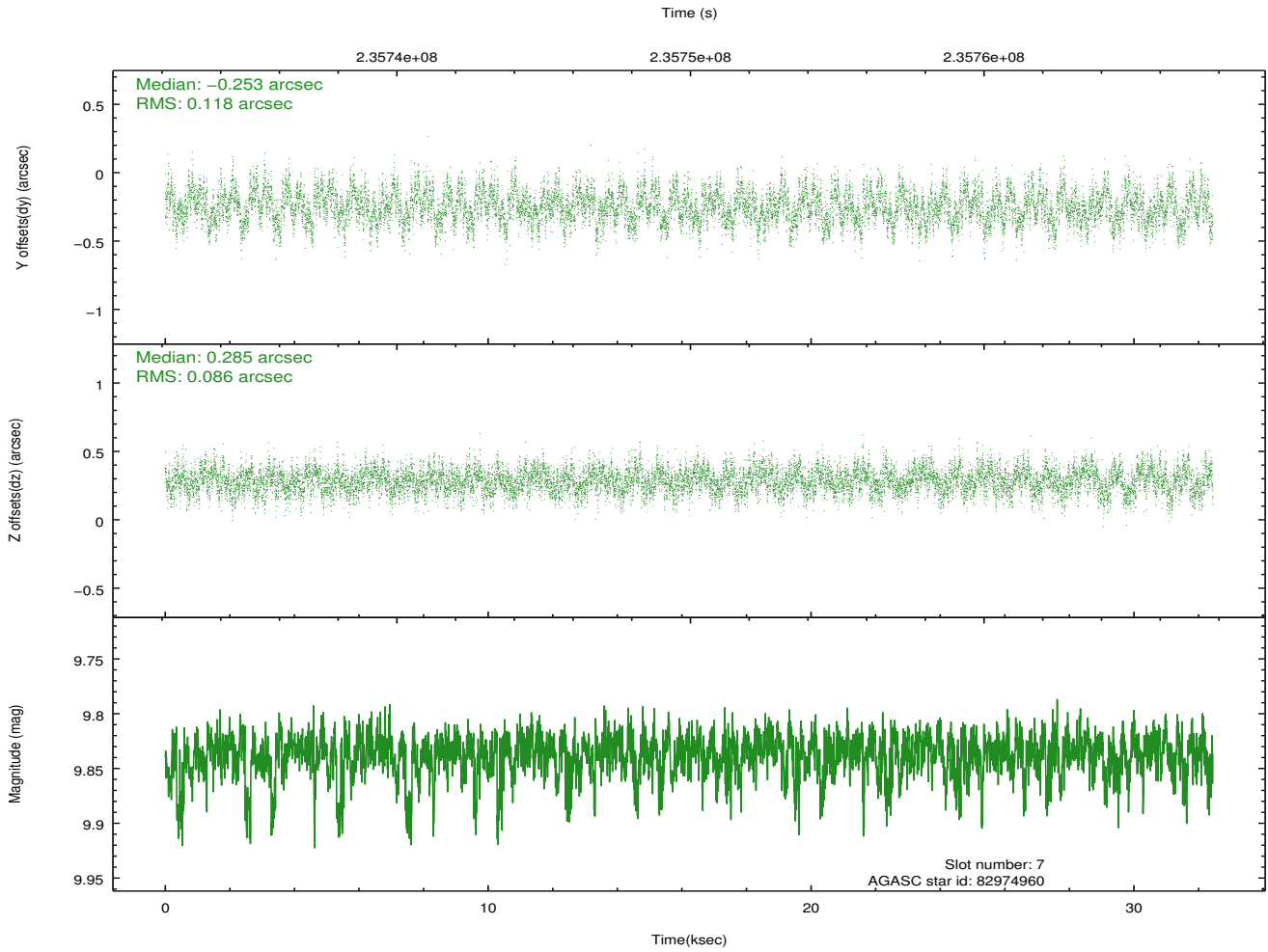
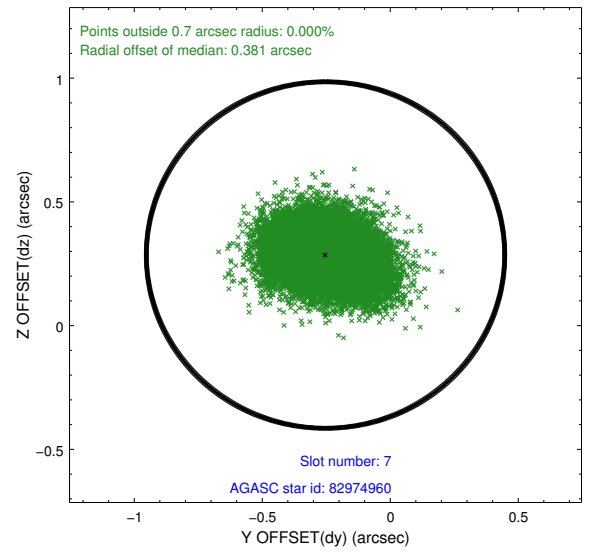
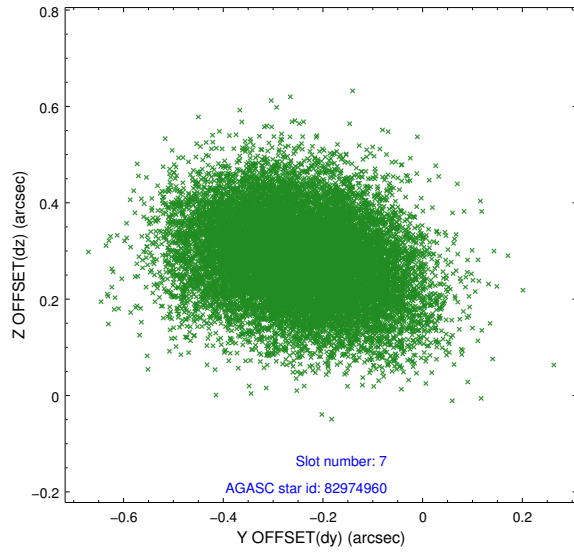
2.4.3 Slot 5



2.4.4 Slot 6

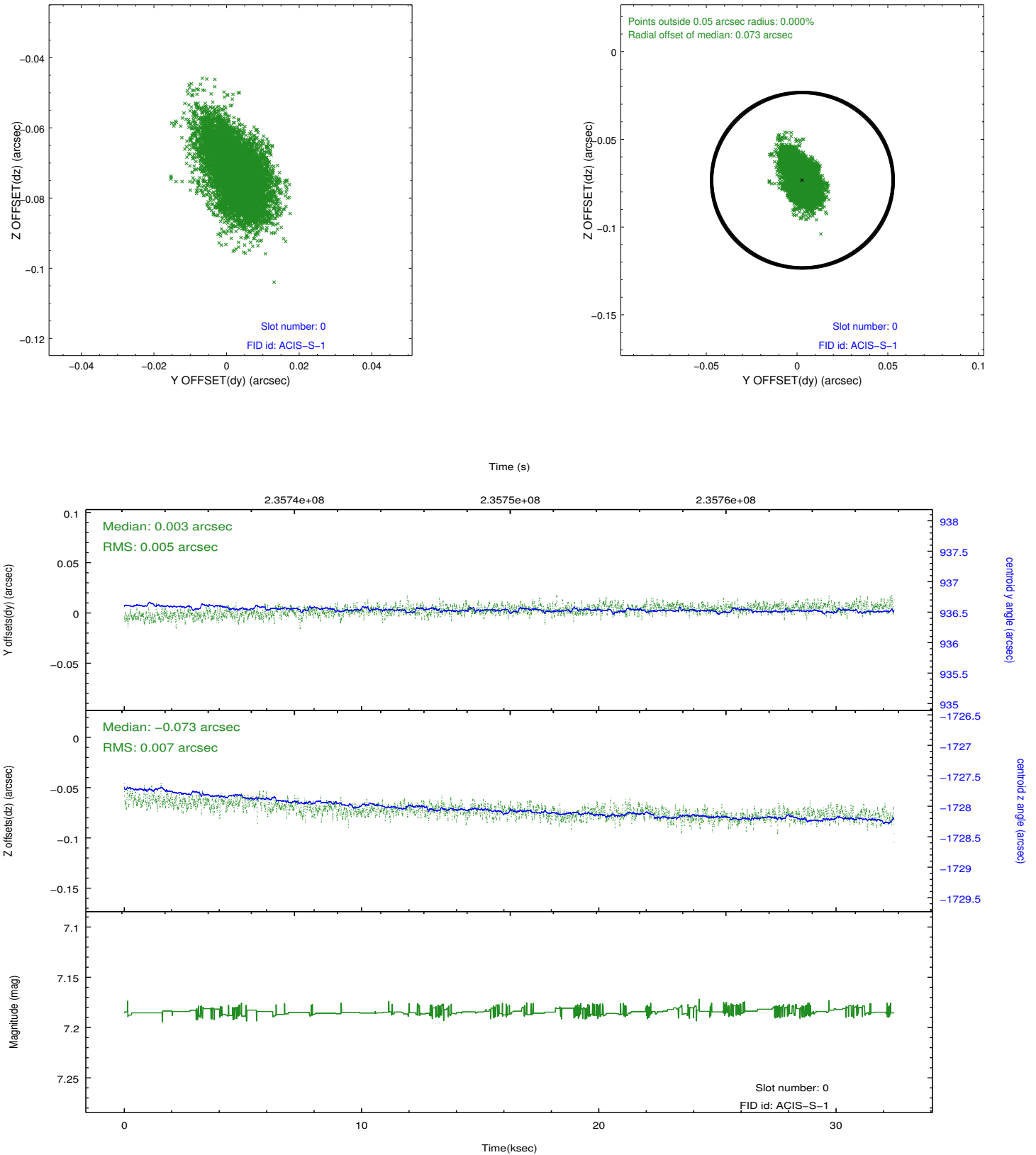


2.4.5 Slot 7

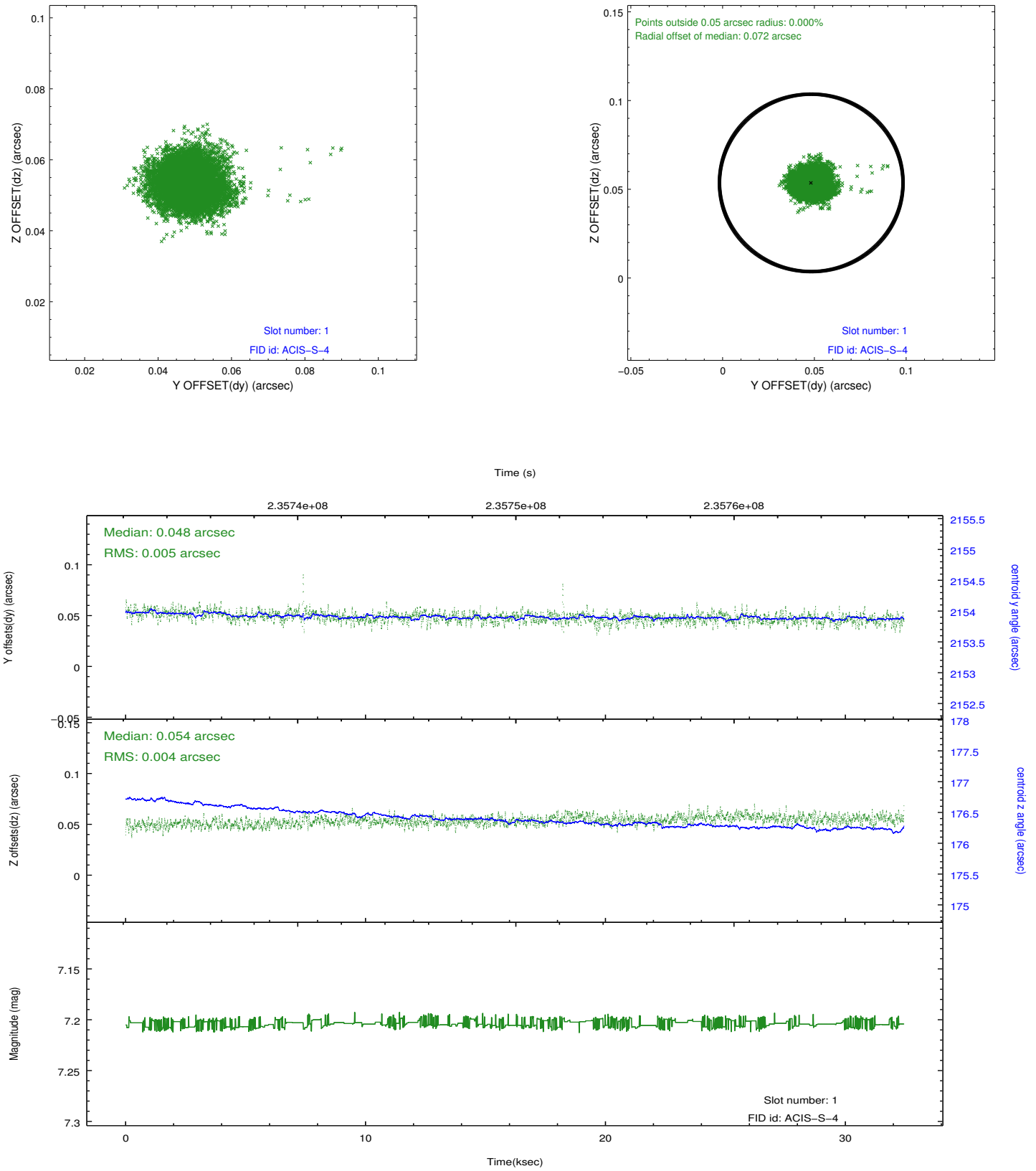


2.5 FID Slots

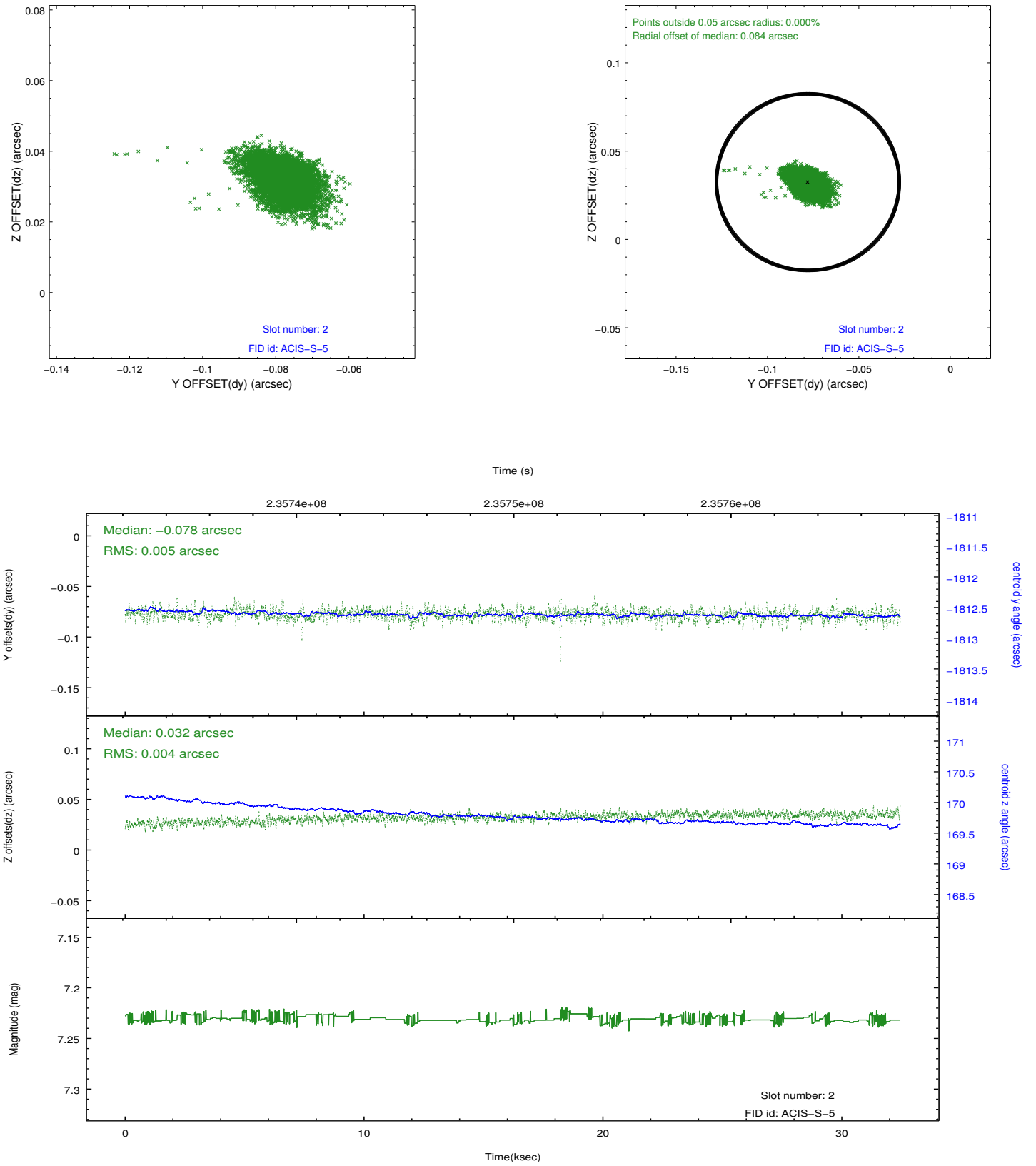
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.43839

A.2 Comments

Joint Proposal: NRAO