

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3979 - L2 Version 3
Chandra X-Ray Center

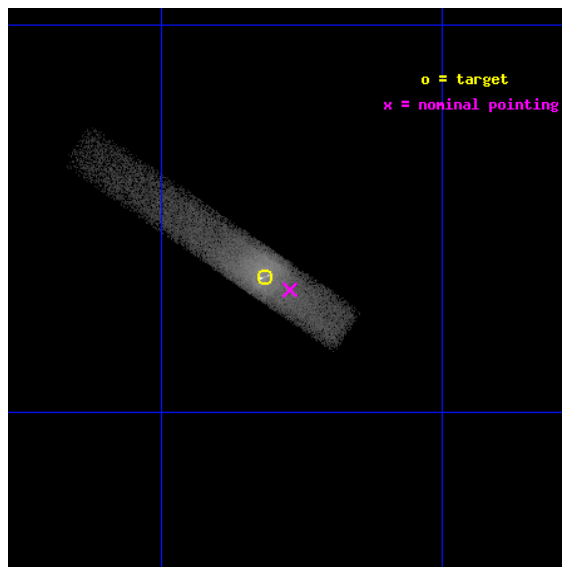
L2 Processing Date : Oct 26 2012

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1 Front

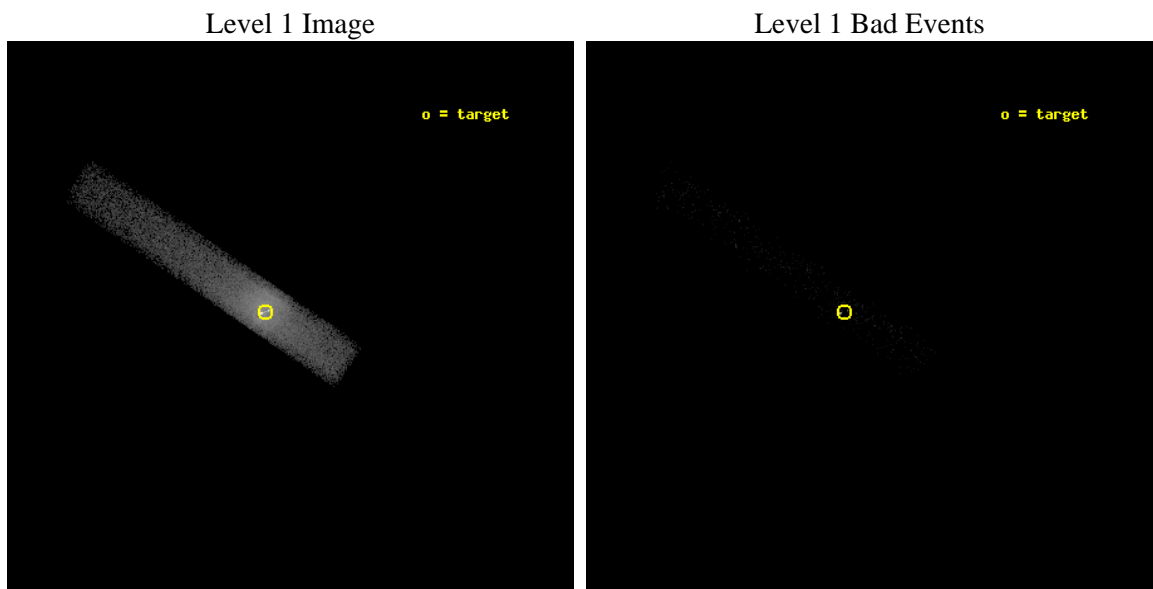
seq_num	700658	Sequence number
obs_id	3979	Observation id
title	X-RAY VARIABILITY IN THE JET AND CORE OF M87	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69286490668	Nominal RA [deg]
dec_nom	12.38614180752	Nominal Dec [deg]
roll_nom	214.29615134397	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4953.0880406797	Sum of GTIs [s]
livetime	4492.189407473	Livetime [s]
ontime7	4953.0880406797	Sum of GTIs [s]
l2events	55428	Number of level 2 events



2 OBI

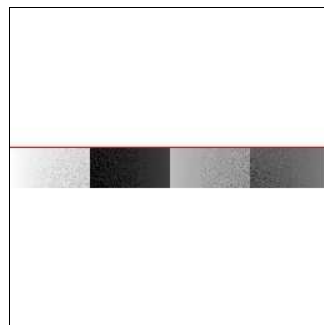
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4953.0880406797	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	4953.0880406797	Sum of GTIs [s]
date	2012-10-26T13:14:44	Date and time of file creation	l1events	59793	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

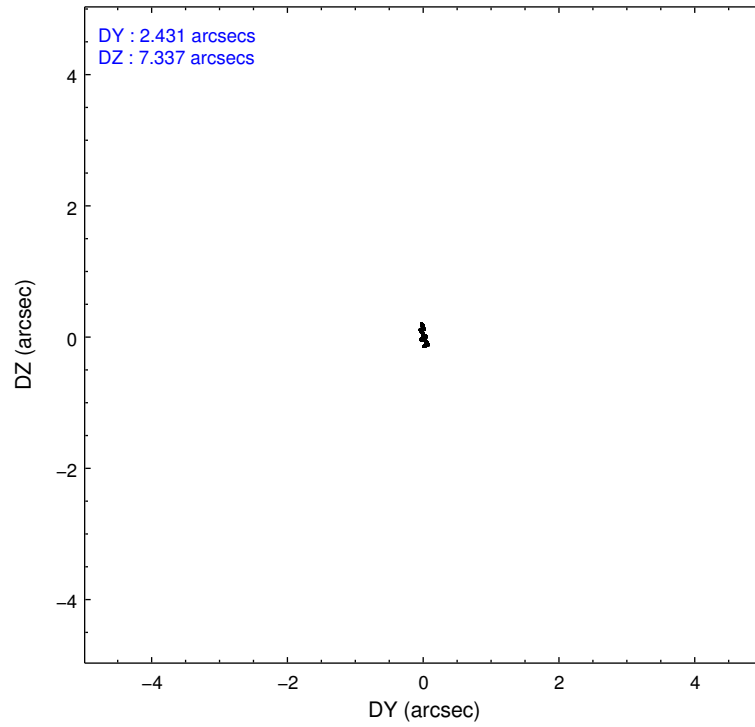
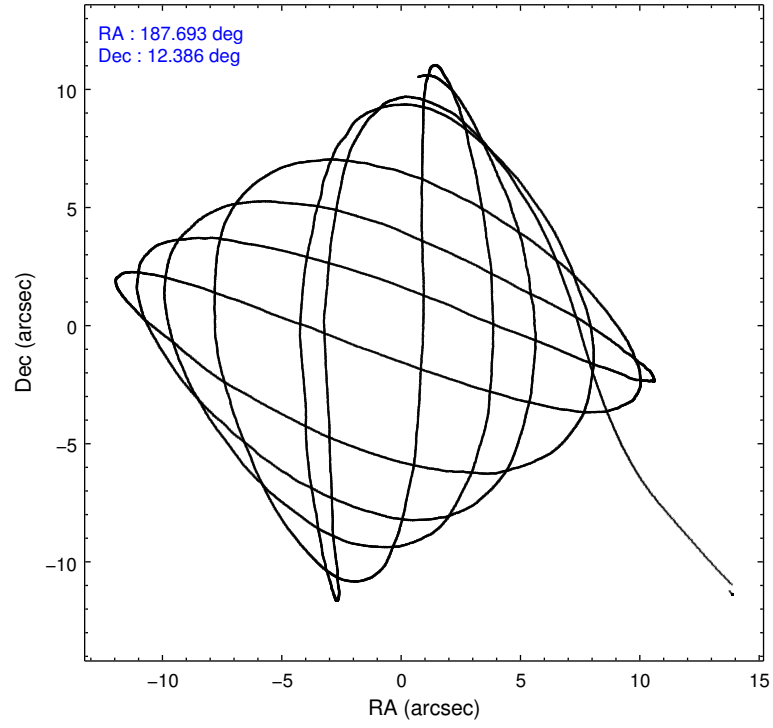
	ccd 7
level 1 events	59793
rejected events	3824
rejected %	6%

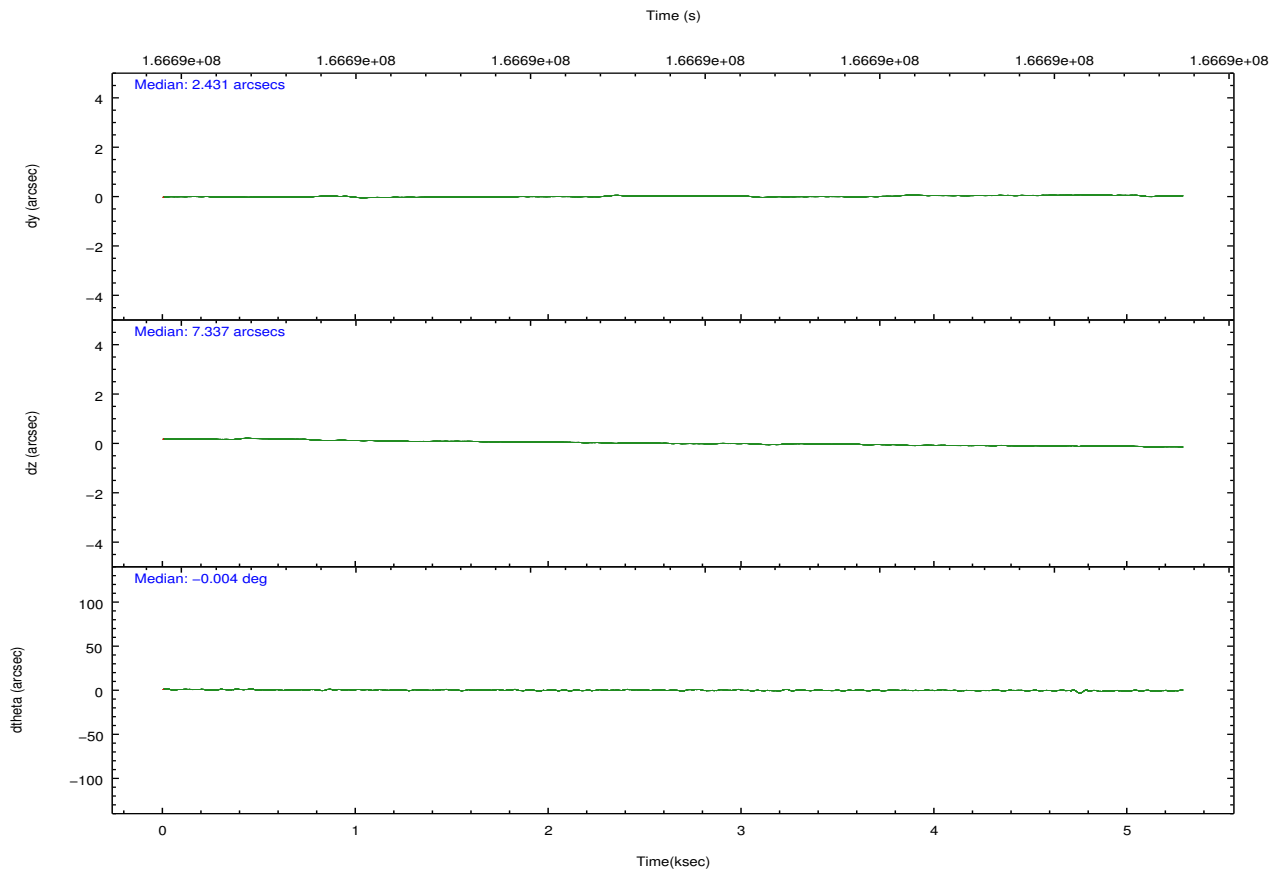
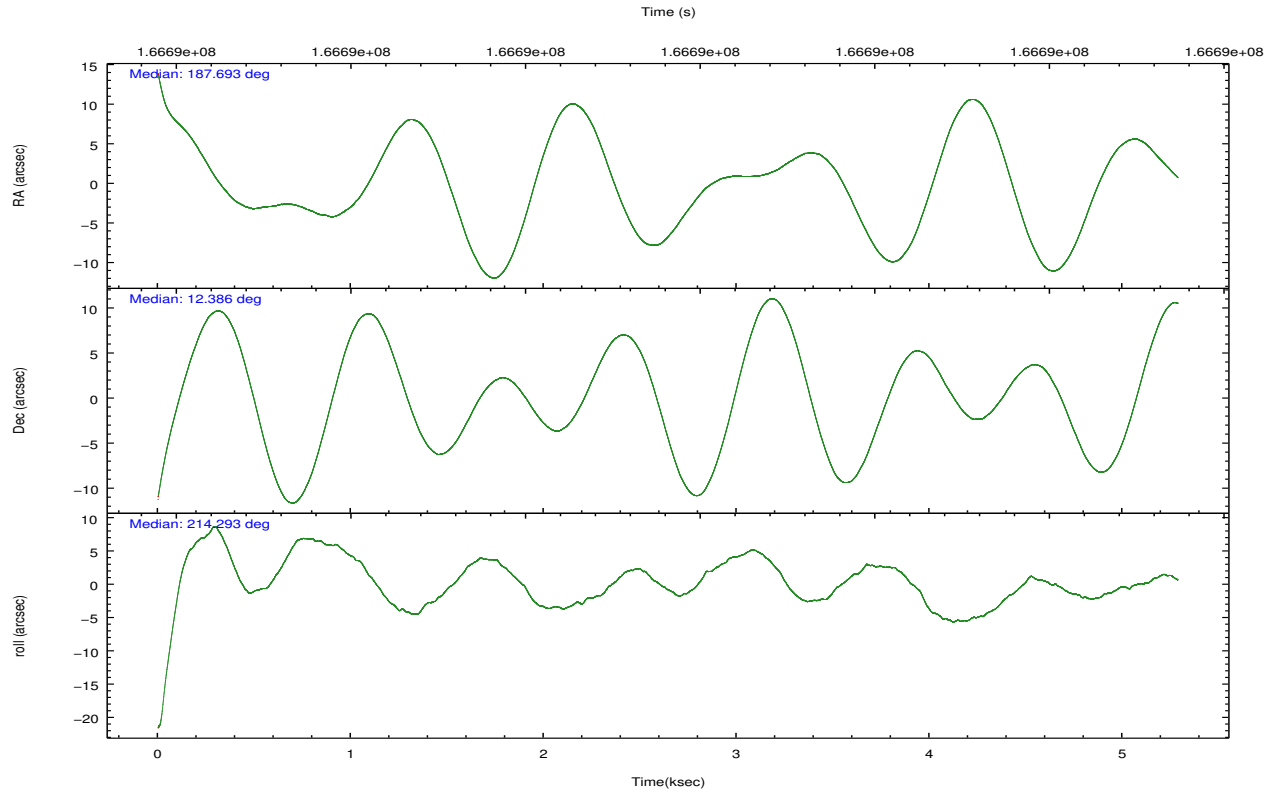
	ccd 7
grade 0 events	18338
	30%
grade 1 events	138
	0%
grade 2 events	14560
	24%
grade 3 events	6531
	10%
grade 4 events	6462
	10%
grade 5 events	1005
	1%
grade 6 events	10089
	16%
grade 7 events	2670
	4%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	187.704482	187.6928649066766	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.410805	12.38614180751987	Subarray start row	449	449
[deg] Pointing Roll	214.137072	214.2961513439697	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	166687360.184000	166686414.32963			
Observation start date	2003-04-14T06:01:36	2003-04-14T05:46:54			
[s] Observation end time (MET)	166692460.184000	166694002.91745			
Observation end date	2003-04-14T07:26:36	2003-04-14T07:53:22			
Read mode	TIMED	TIMED			

2.3 Aspect



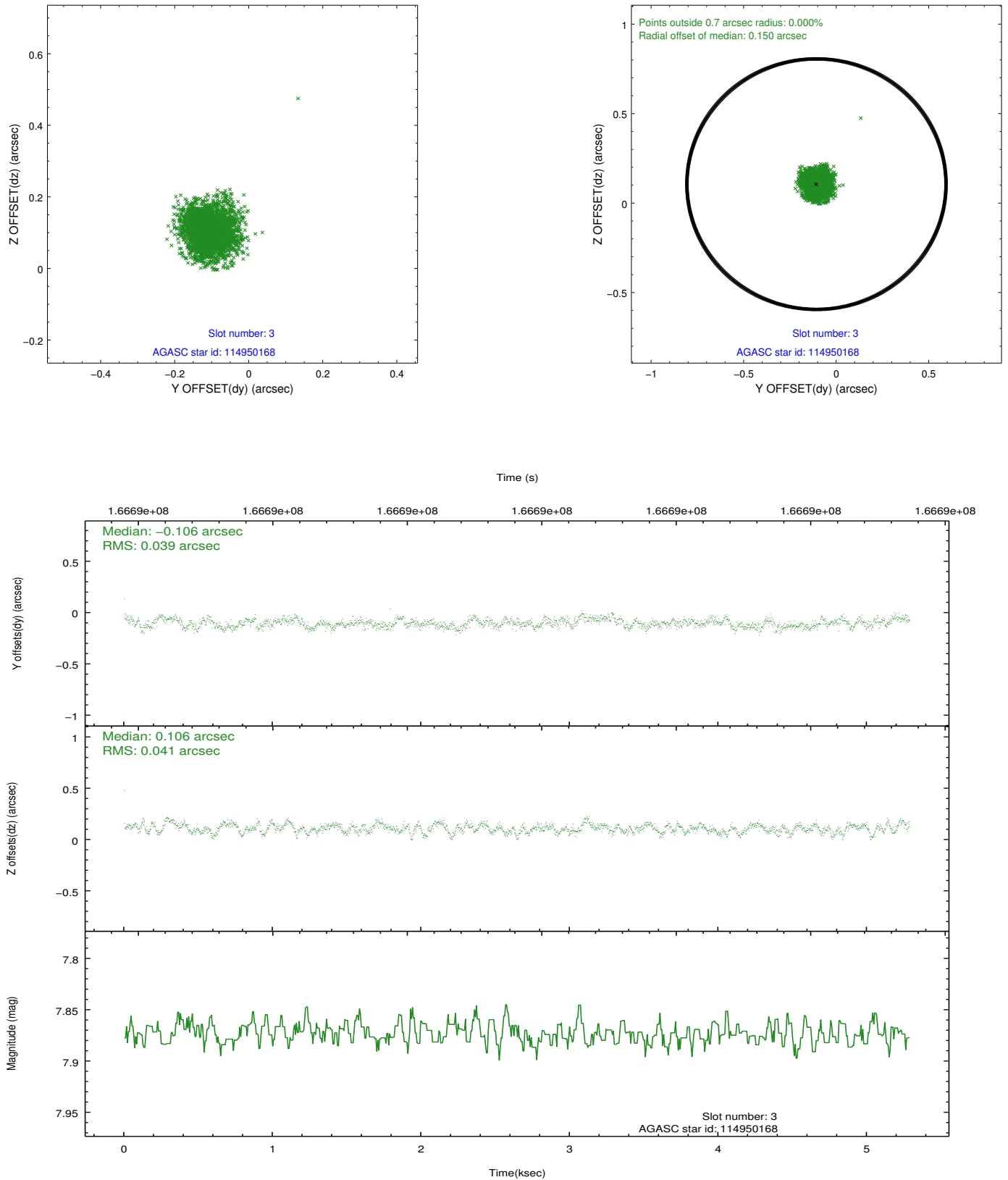


Slot Statistics

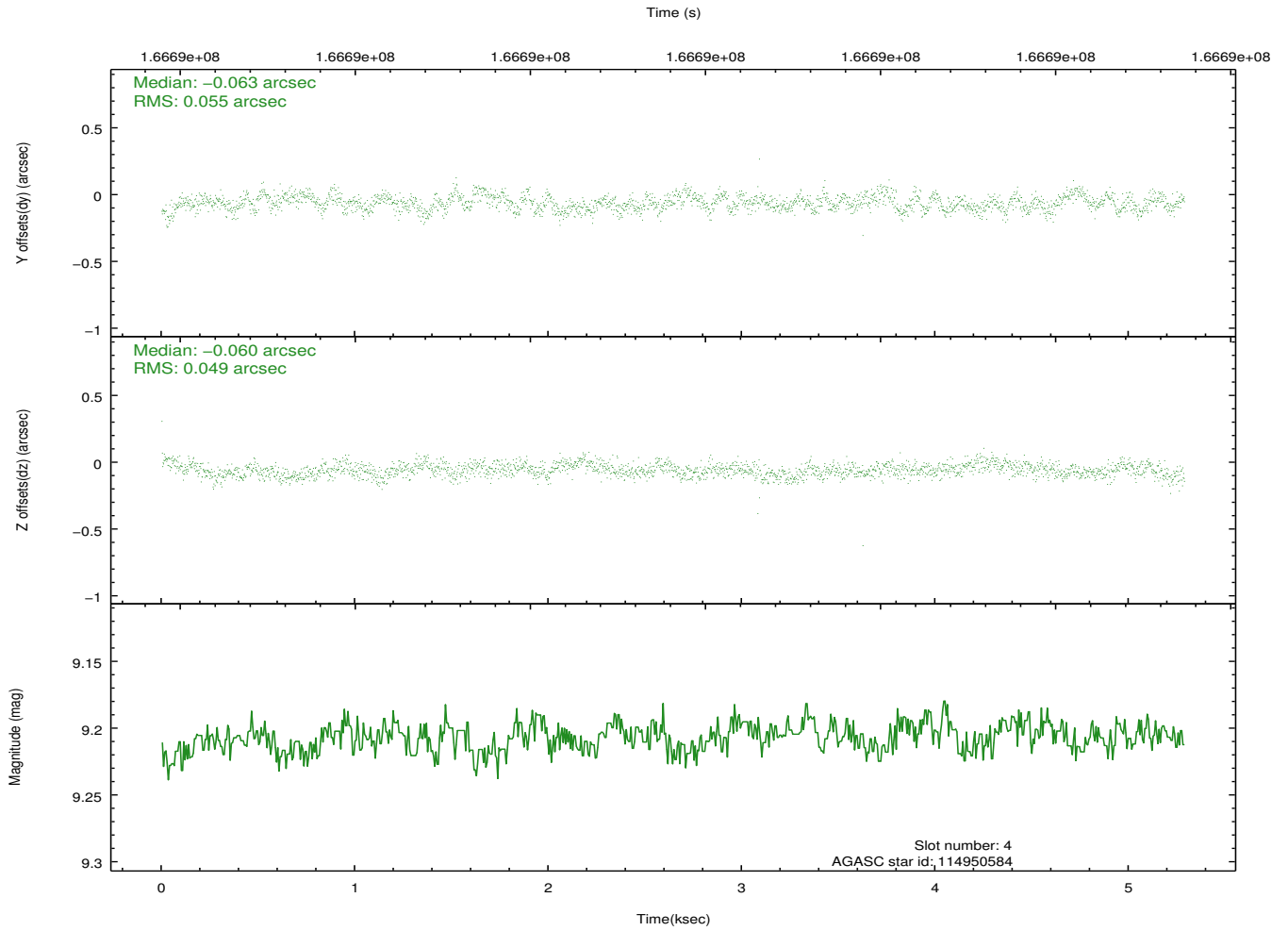
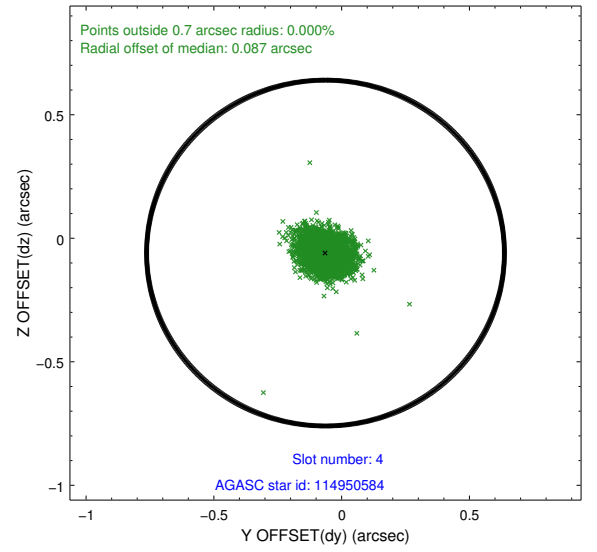
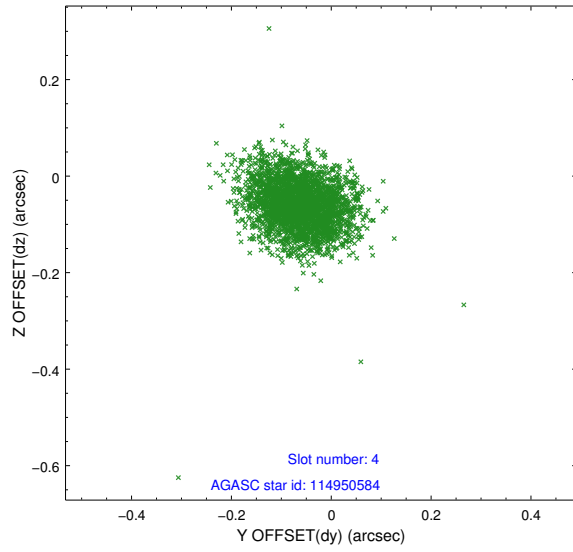
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1290	-0.026	-0.005	0.008	0.013	0.000000	0.000000	-755.09	-1728.53
1	FID	ACIS-S-4	7.21	1290	-0.015	0.013	0.006	0.011	0.000000	0.000000	2157.68	178.80
2	FID	ACIS-S-5	7.24	1290	0.010	0.000	0.007	0.012	0.000000	0.000000	-1806.43	173.74
3	GUIDE	114950168	7.87	2580	-0.106	0.106	0.060	0.095	187.143398	12.117441	2226.73	-235.77
4	GUIDE	114950584	9.21	2580	-0.063	-0.060	0.076	0.123	187.487323	11.827248	1813.61	1308.89
5	GUIDE	114952792	9.49	2567	-0.010	-0.012	0.118	0.189	187.070263	12.344747	1979.83	-1056.71
6	GUIDE	114952824	8.58	2579	0.056	0.029	0.065	0.106	187.703904	12.486727	-150.08	-228.04
7	GUIDE	114955056	8.31	2573	0.129	-0.060	0.063	0.103	187.914001	12.127854	-38.21	1256.29

2.4 Star Slots

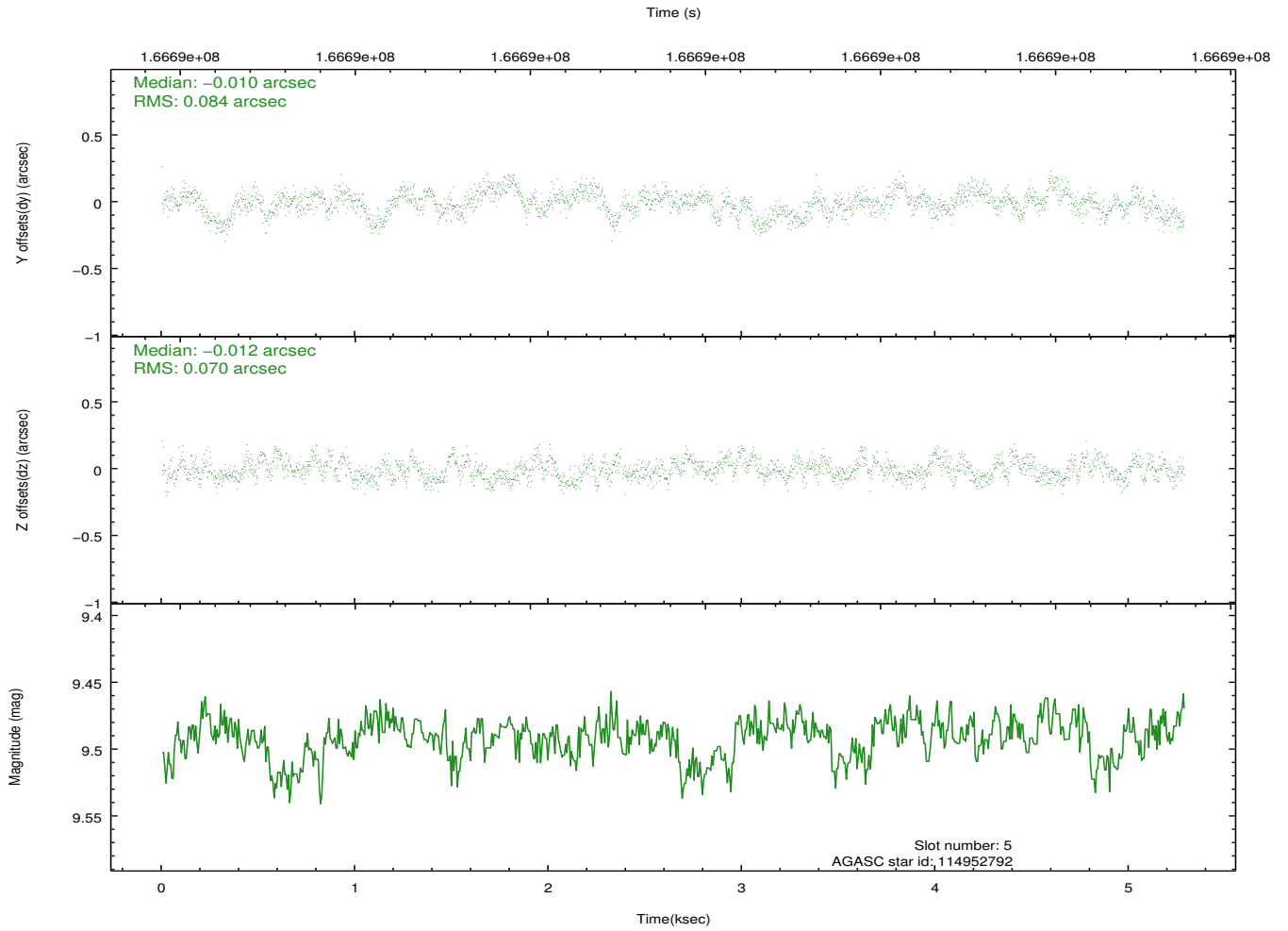
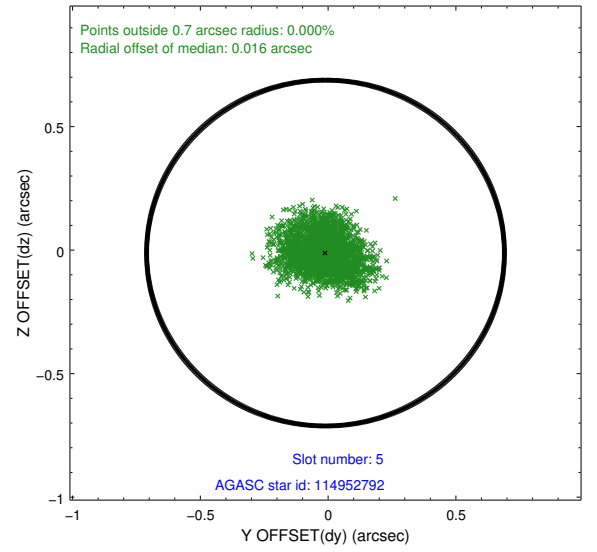
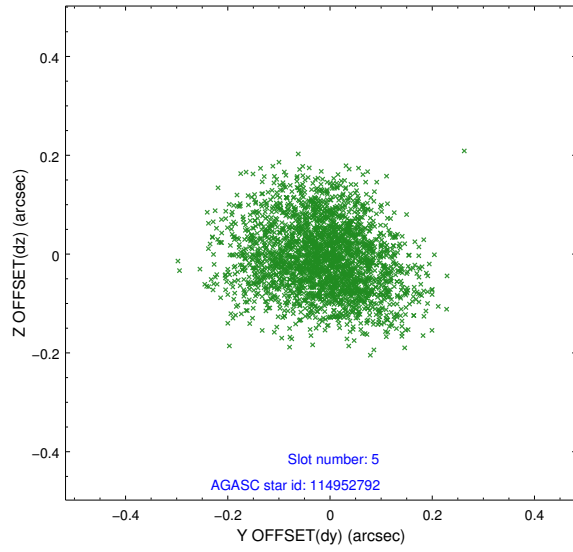
2.4.1 Slot 3



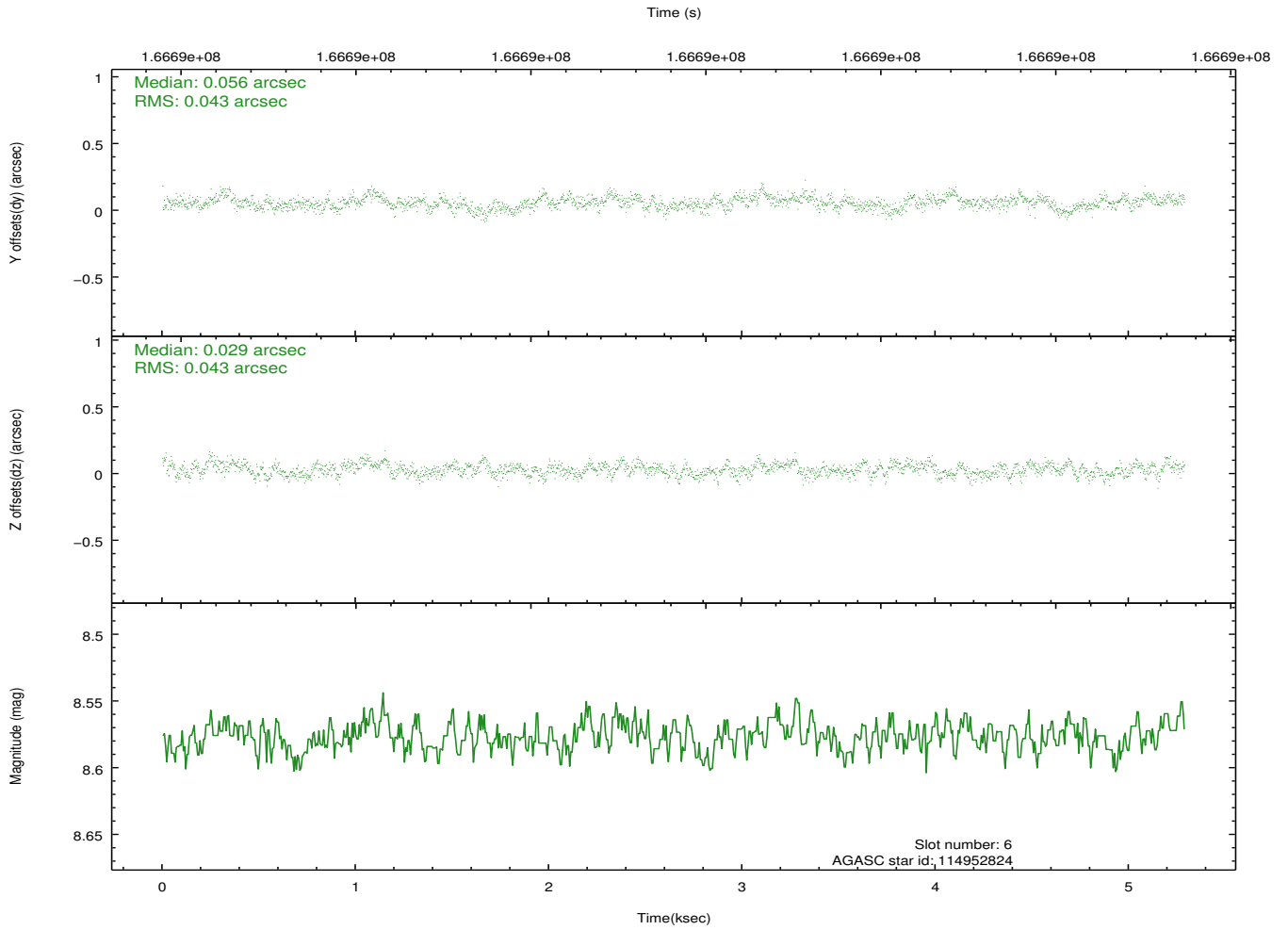
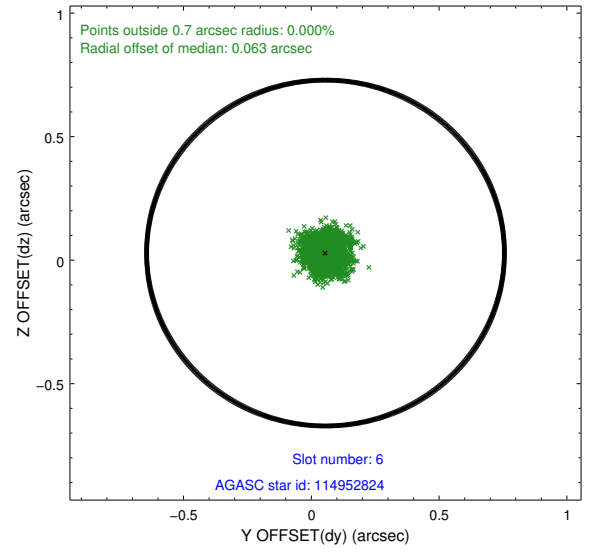
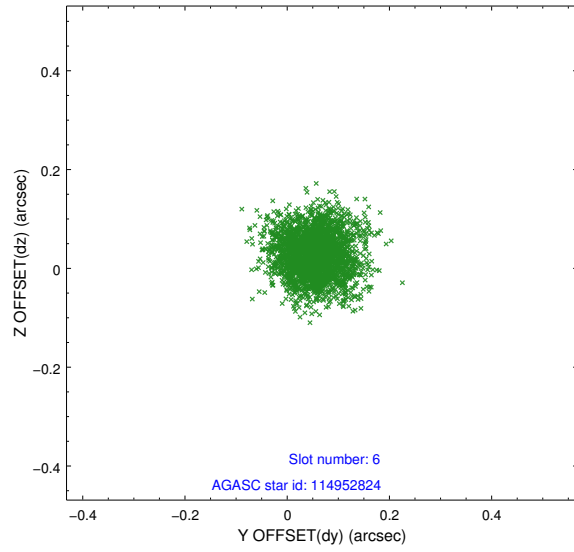
2.4.2 Slot 4



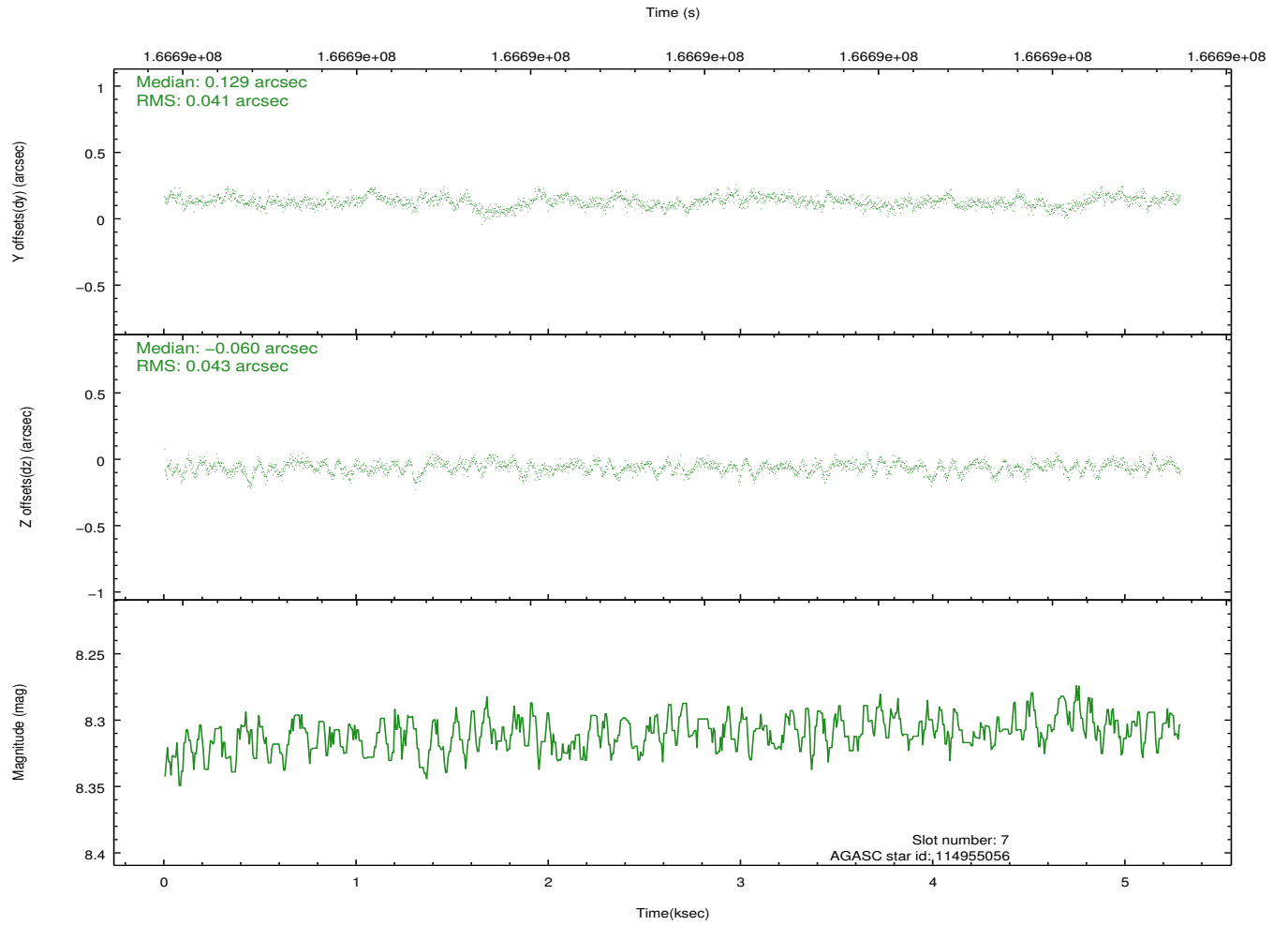
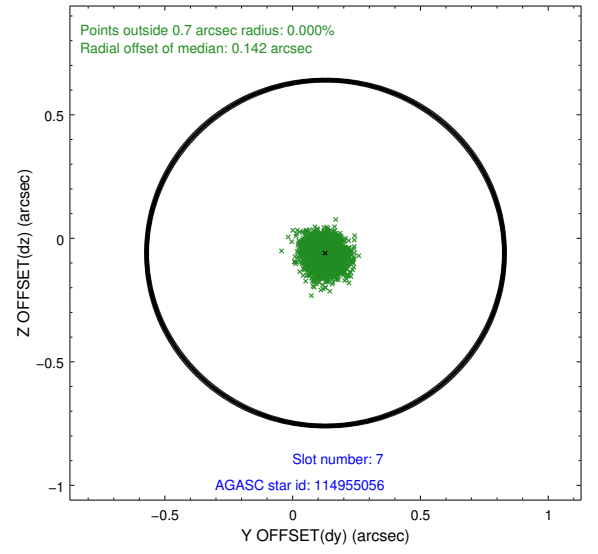
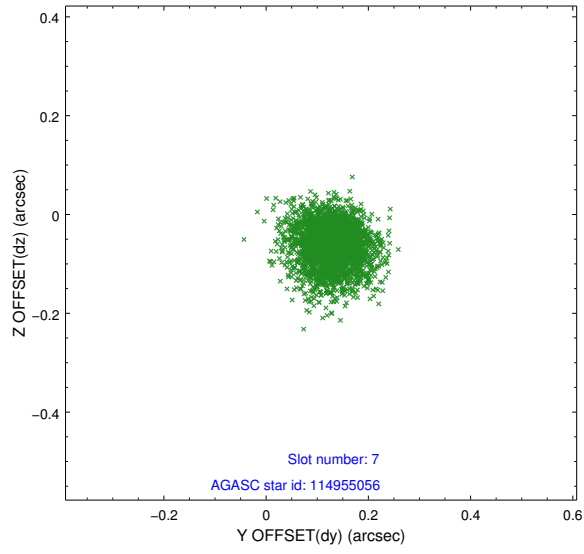
2.4.3 Slot 5



2.4.4 Slot 6

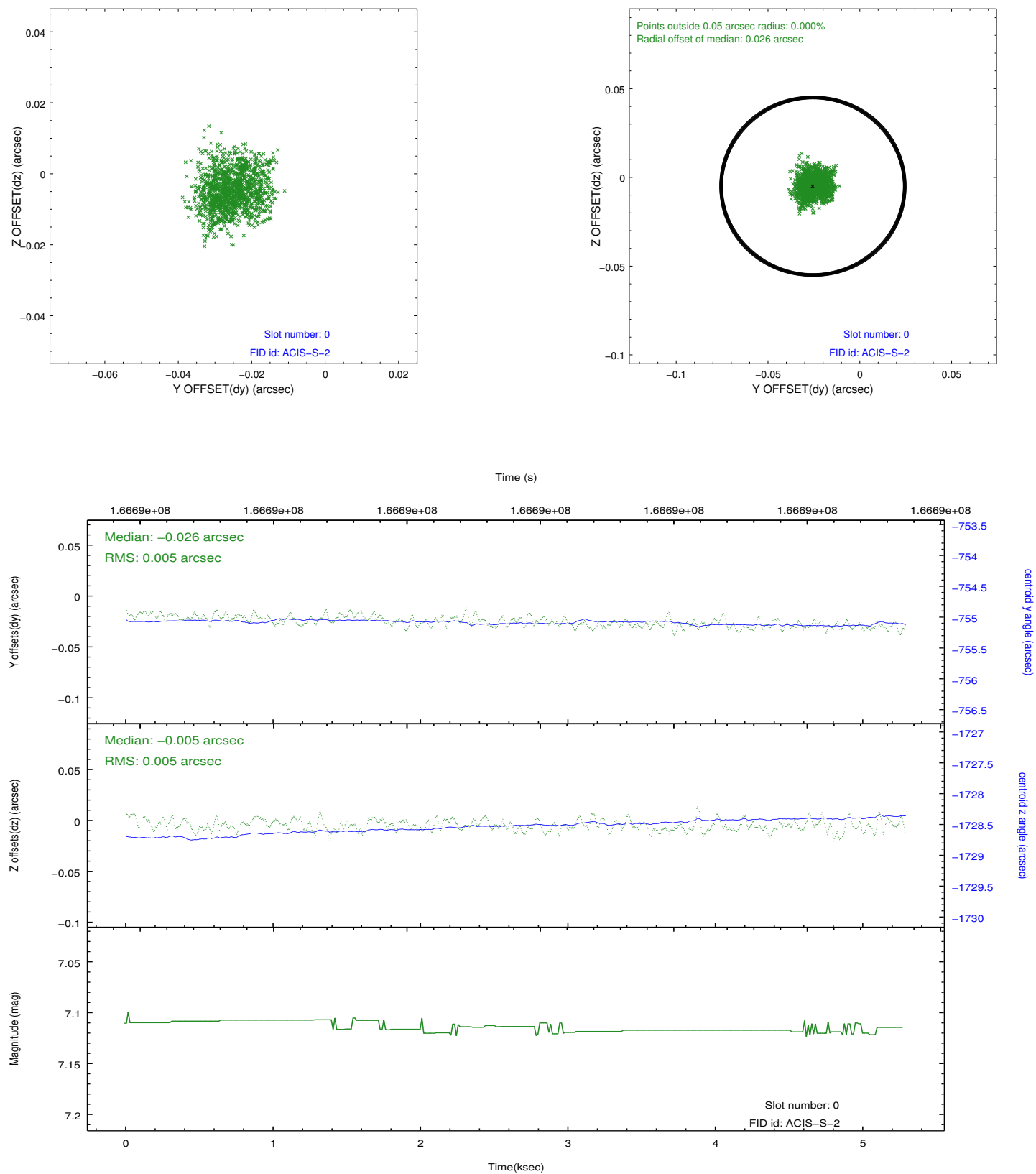


2.4.5 Slot 7

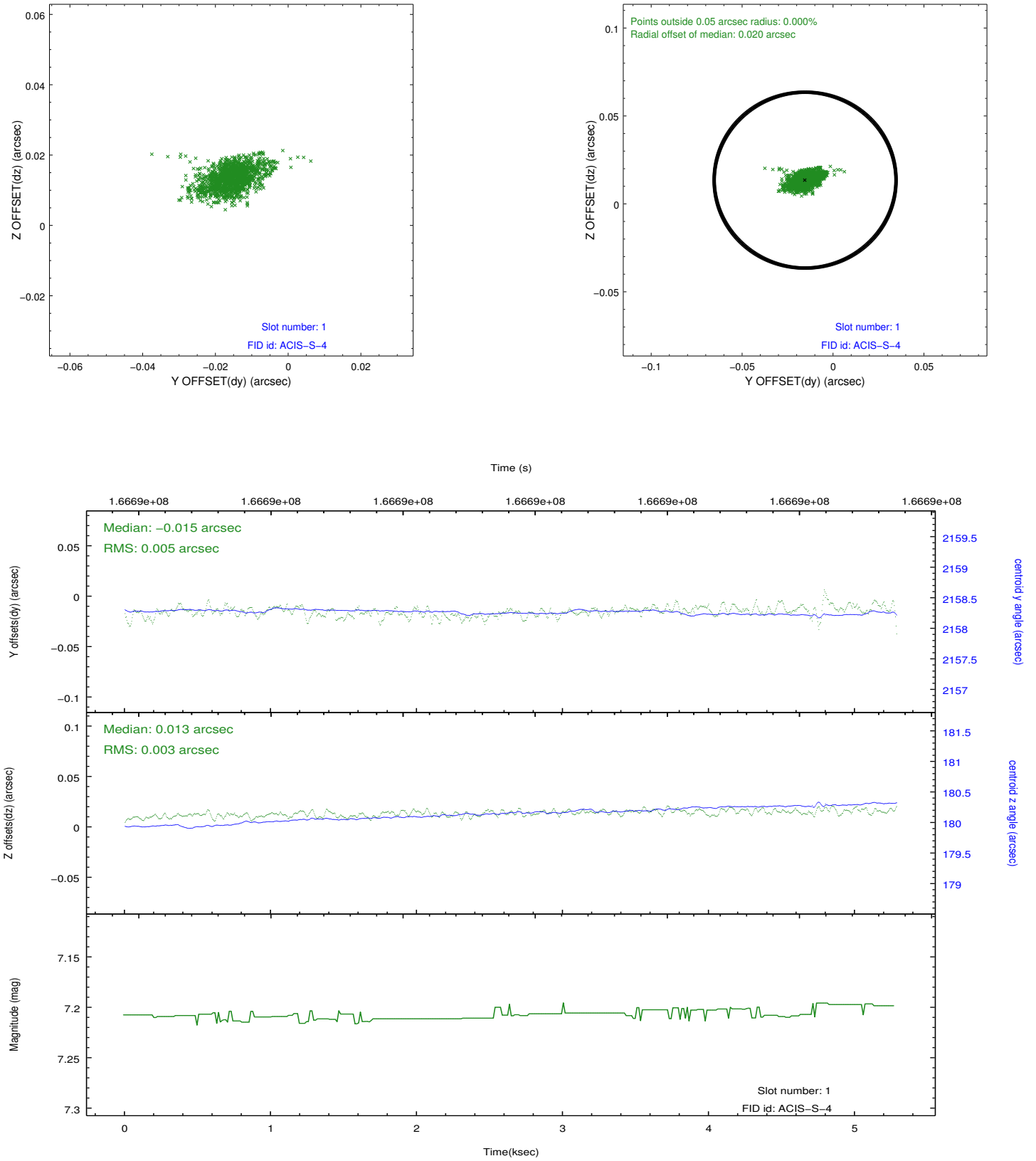


2.5 FID Slots

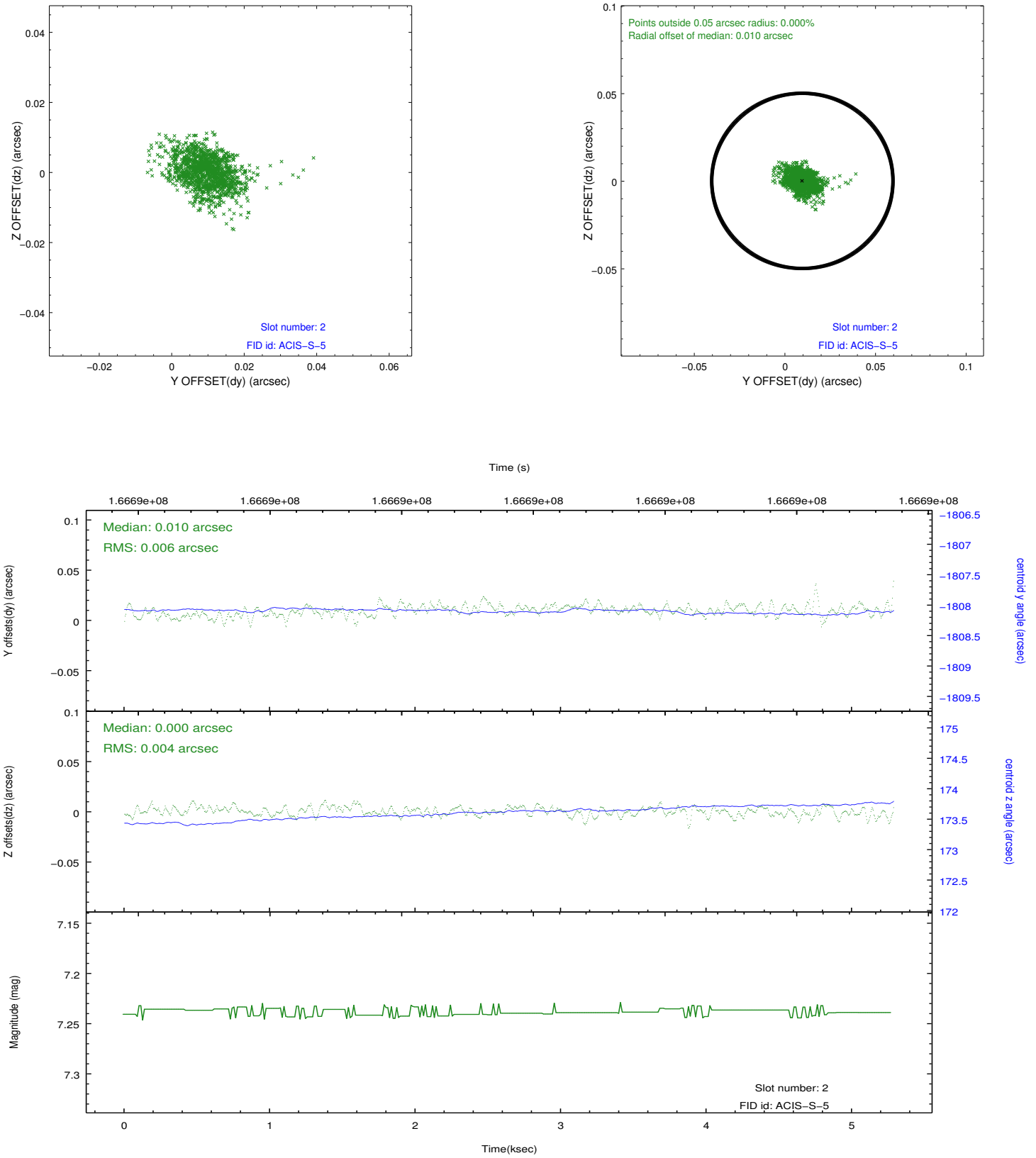
2.5.1 Slot 0



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)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.953

A.2 Comments