

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11958 - L2 Version 2
Chandra X-Ray Center

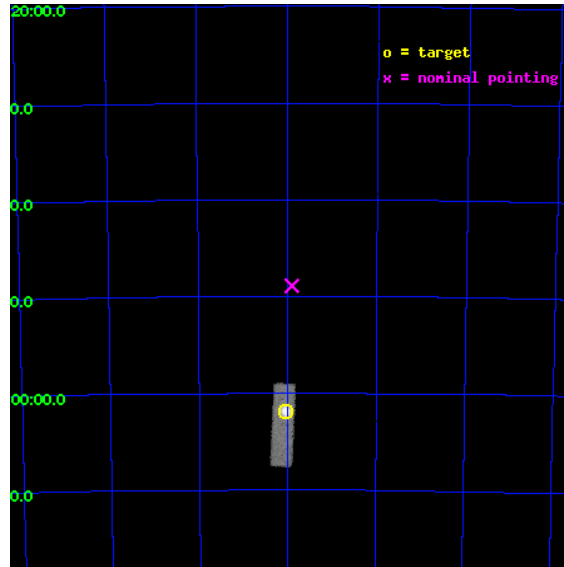
L2 Processing Date : Jun 19 2012

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1 Front

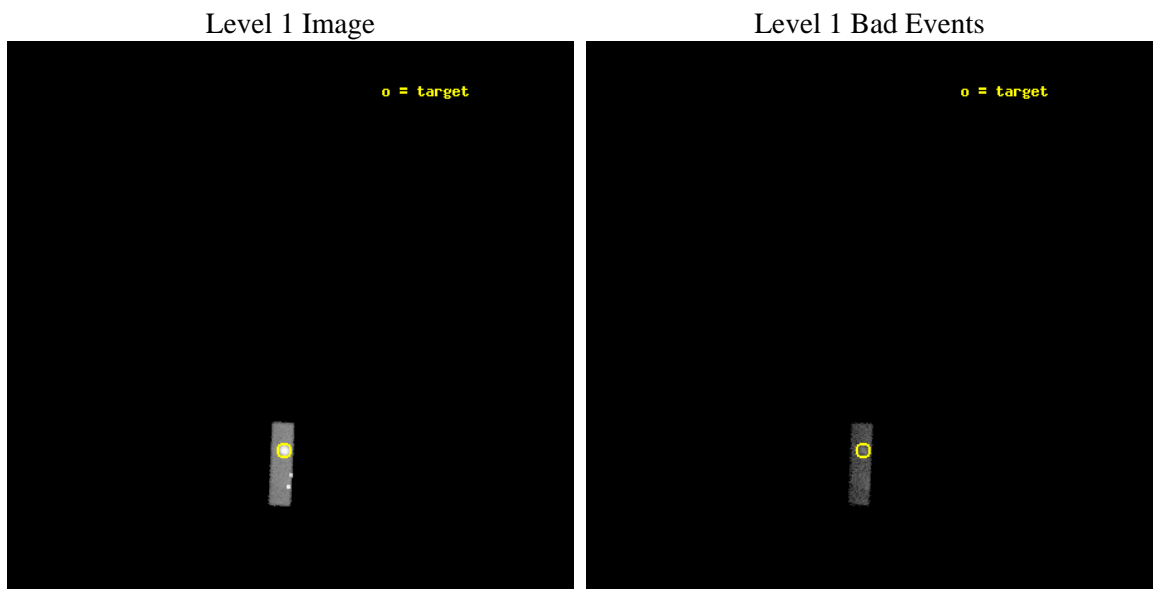
seq_num	590501	Sequence number
obs_id	11958	Observation id
title	AO-11 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72 S1,-120,13.29,0,0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.975662959912	Nominal RA [deg]
dec_nom	-71.814924242678	Nominal Dec [deg]
roll_nom	272.52200707564	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8123.2001211047	Sum of GTIs [s]
livetime	7726.8145354368	Livetime [s]
ontime5	8123.2001211047	Sum of GTIs [s]
l2events	47465	Number of level 2 events



2 OBI

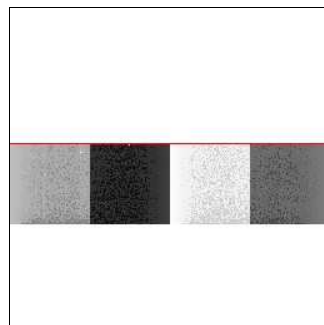
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 5



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7974.032000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8123.2001211047	Sum of GTIs [s]
caldbver	4.4.10	 	ontime5	8123.2001211047	Sum of GTIs [s]
date	2012-06-19T07:45:05	Date and time of file creation	l1events	78814	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

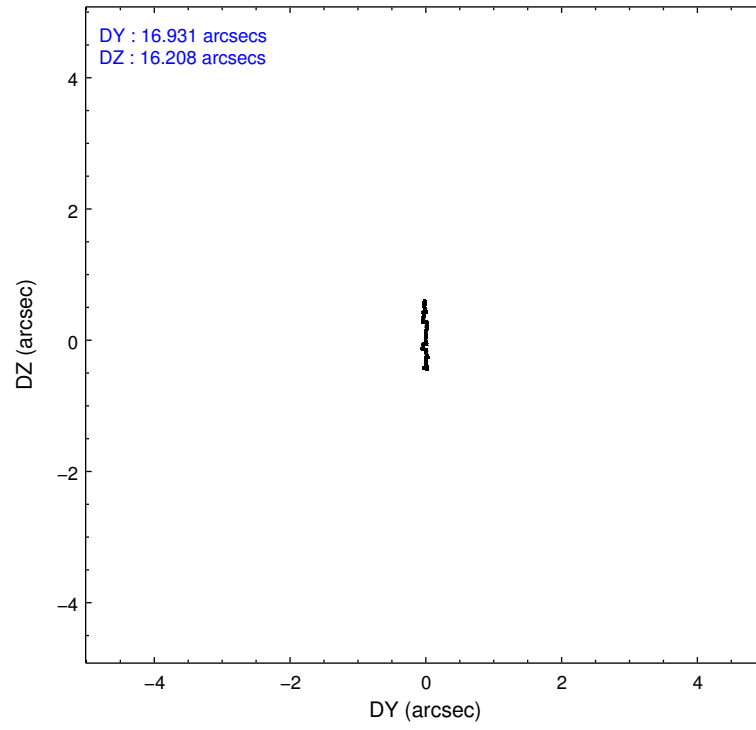
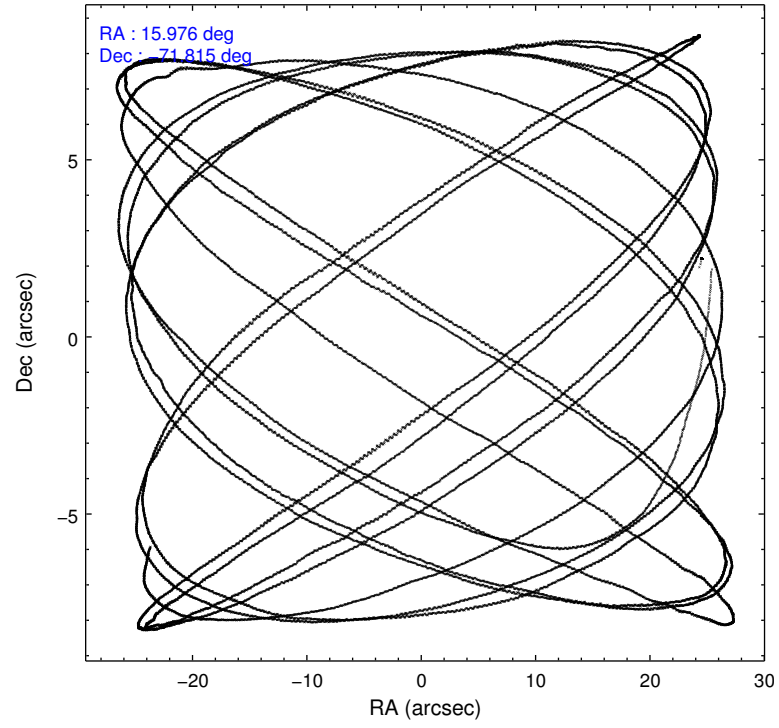
	ccd 5
level 1 events	78814
rejected events	15854
rejected %	20%

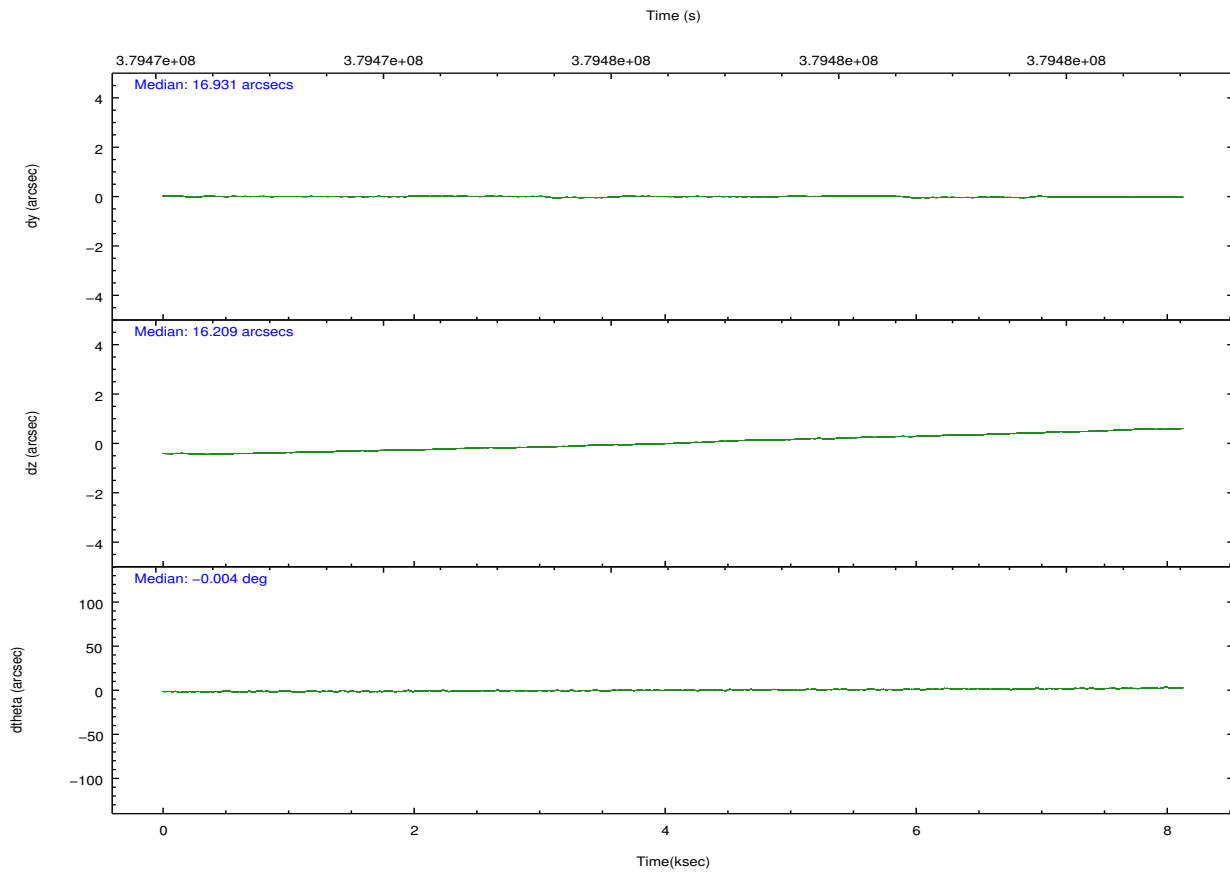
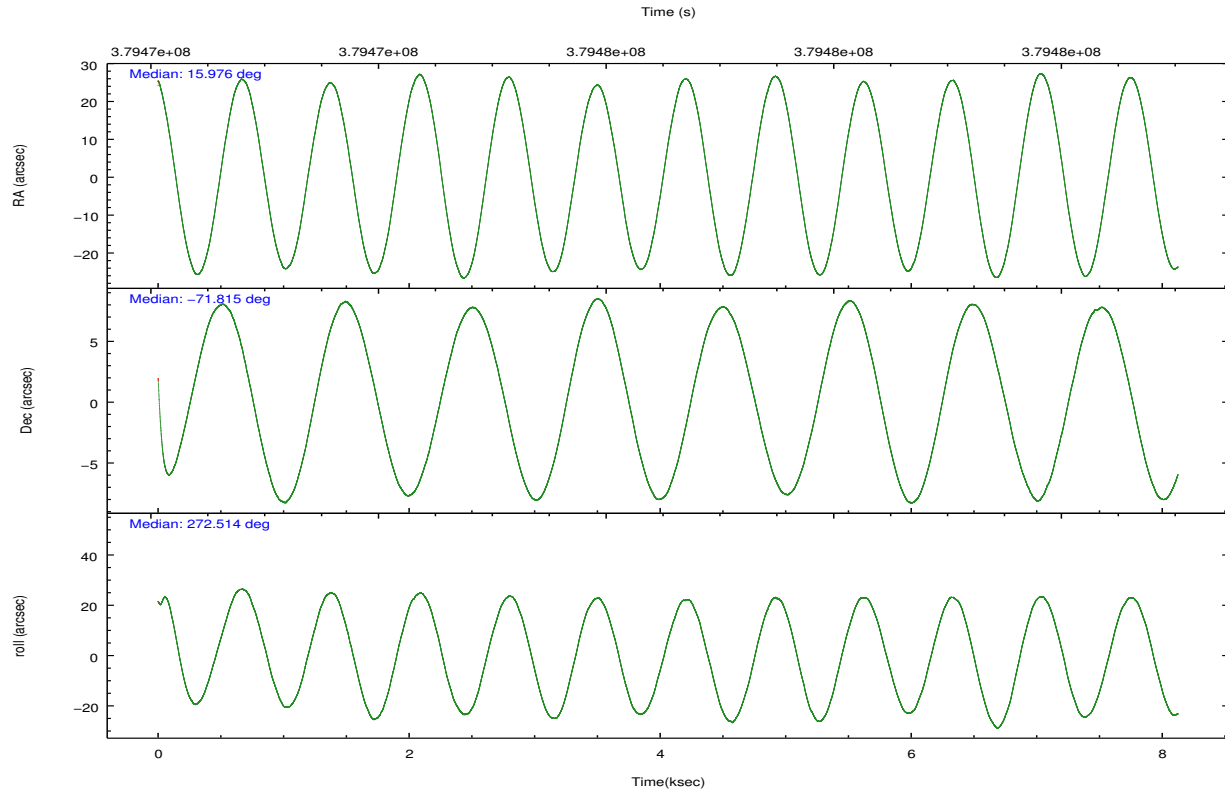
	ccd 5
grade 0 events	29779
	37%
grade 1 events	125
	0%
grade 2 events	19304
	24%
grade 3 events	4404
	5%
grade 4 events	4576
	5%
grade 5 events	2477
	3%
grade 6 events	8977
	11%
grade 7 events	9172
	11%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5	ACIS-5	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.927647	15.97566295991172	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-71.792031	-71.81492424267816	Subarray start row	335	335
[deg] Pointing Roll	272.319794	272.5220070756412	Subarray row count	256	256
[s] Window start time (MET)	376012866.184000	376012866.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	388972866.184000	388972866.184000	[s] Primary exposure time	0.000000	0.8
[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)	379472632.184000	379471471.77615			
Observation start date	2010-01-10T01:02:46	2010-01-10T00:44:31			
[s] Observation end time (MET)	379480606.184000	379480816.70162			
Observation end date	2010-01-10T03:15:40	2010-01-10T03:20:16			
Read mode	TIMED	TIMED			

2.3 Aspect



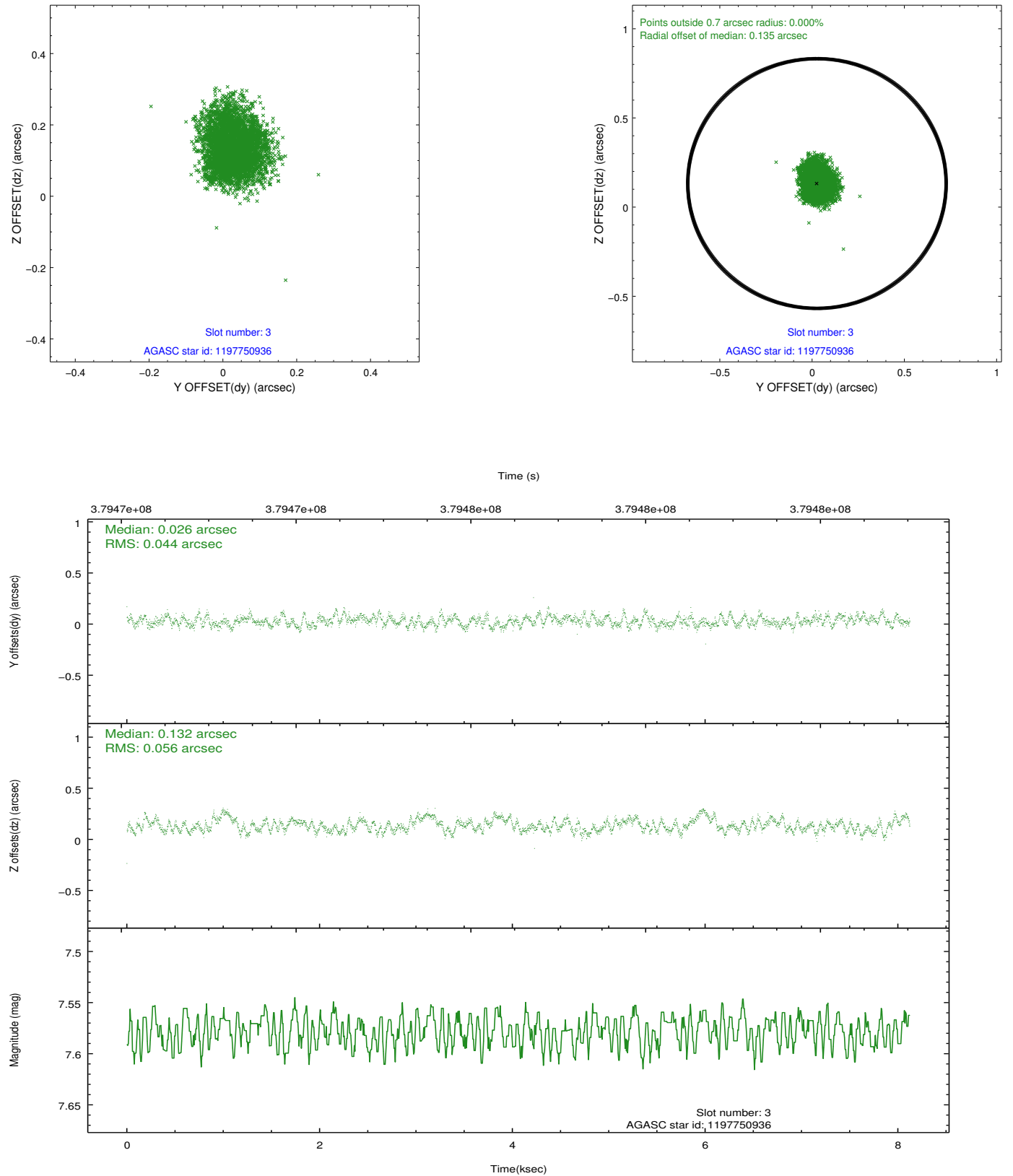


Slot Statistics

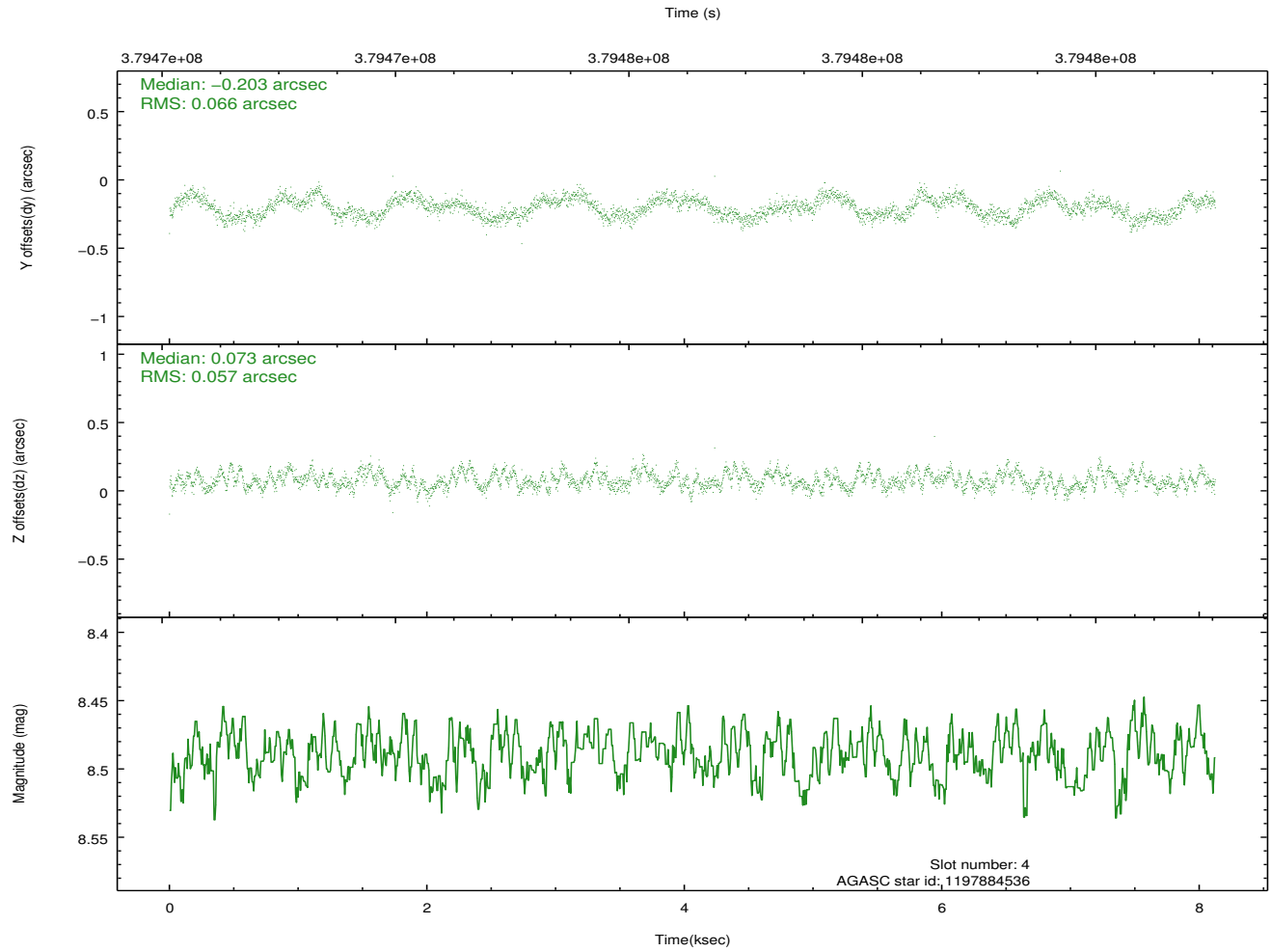
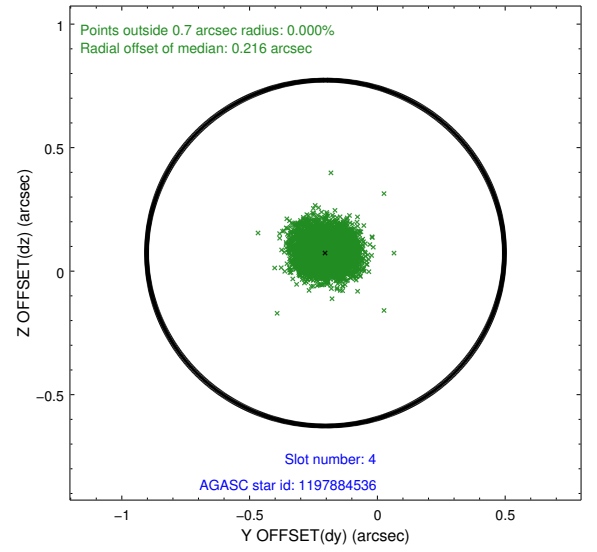
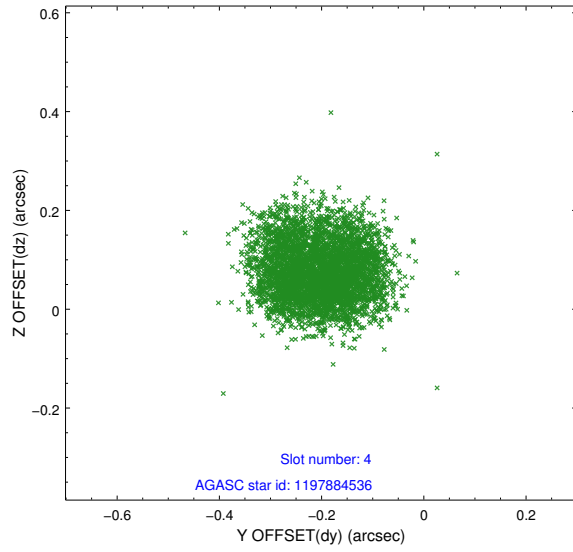
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	1982	-0.083	-0.020	0.011	0.018	0.000000	0.000000	-770.03	-1737.68
1	FID	ACIS-S-4	7.06	1982	0.187	0.046	0.007	0.011	0.000000	0.000000	2143.20	170.16
2	FID	ACIS-S-5	7.09	1981	-0.135	-0.017	0.010	0.017	0.000000	0.000000	-1822.04	164.55
3	GUIDE	1197750936	7.58	3963	0.026	0.132	0.076	0.120	15.387940	-71.549550	-893.64	-579.13
4	GUIDE	1197884536	8.49	3962	-0.203	0.073	0.096	0.142	17.160729	-71.835289	225.30	1375.69
5	GUIDE	1197884712	8.30	3962	0.059	-0.117	0.073	0.115	16.087398	-72.252690	1664.69	108.49
6	GUIDE	1197885104	9.34	3961	0.007	0.025	0.120	0.197	17.845067	-72.189368	1549.23	2049.86
7	GUIDE	1197885328	7.25	3963	0.104	-0.124	0.072	0.112	16.283090	-71.733943	-191.34	410.52

2.4 Star Slots

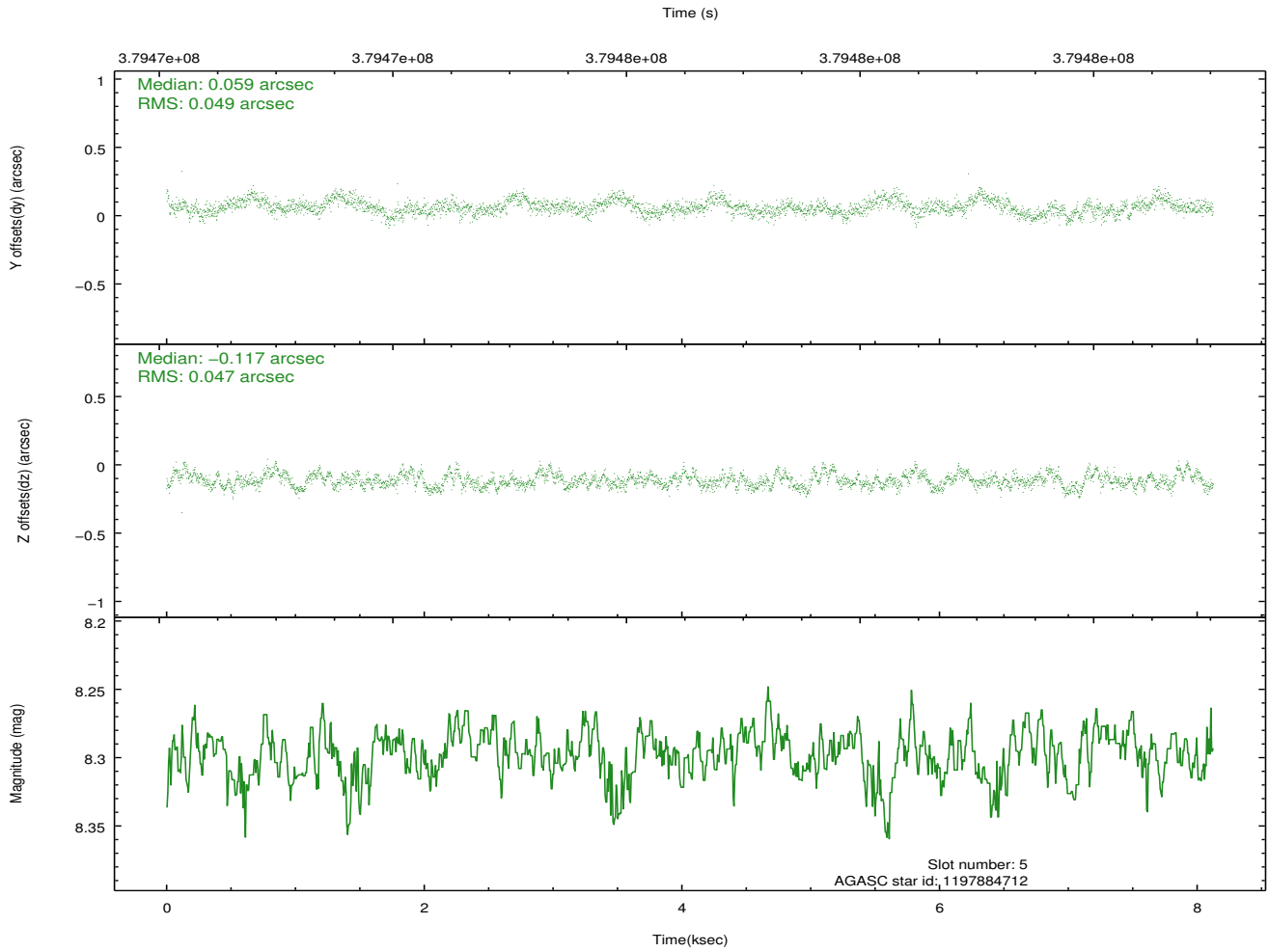
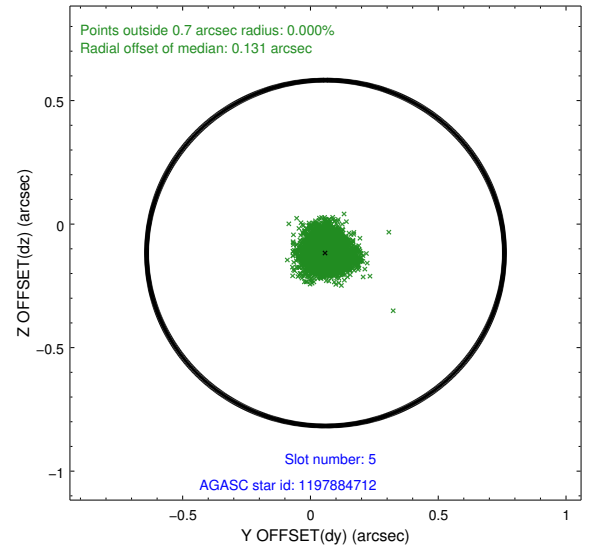
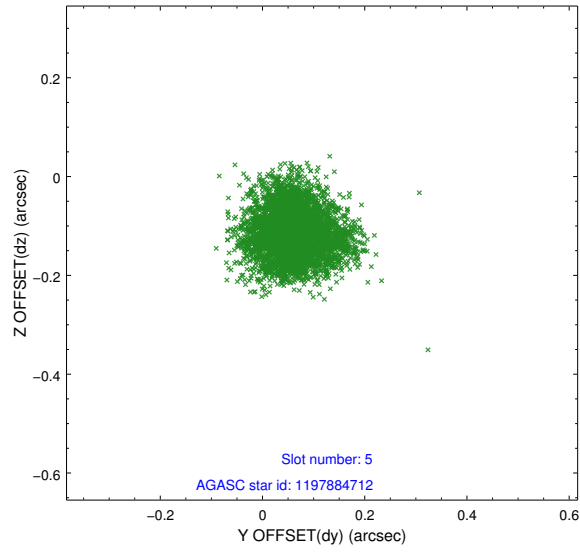
2.4.1 Slot 3



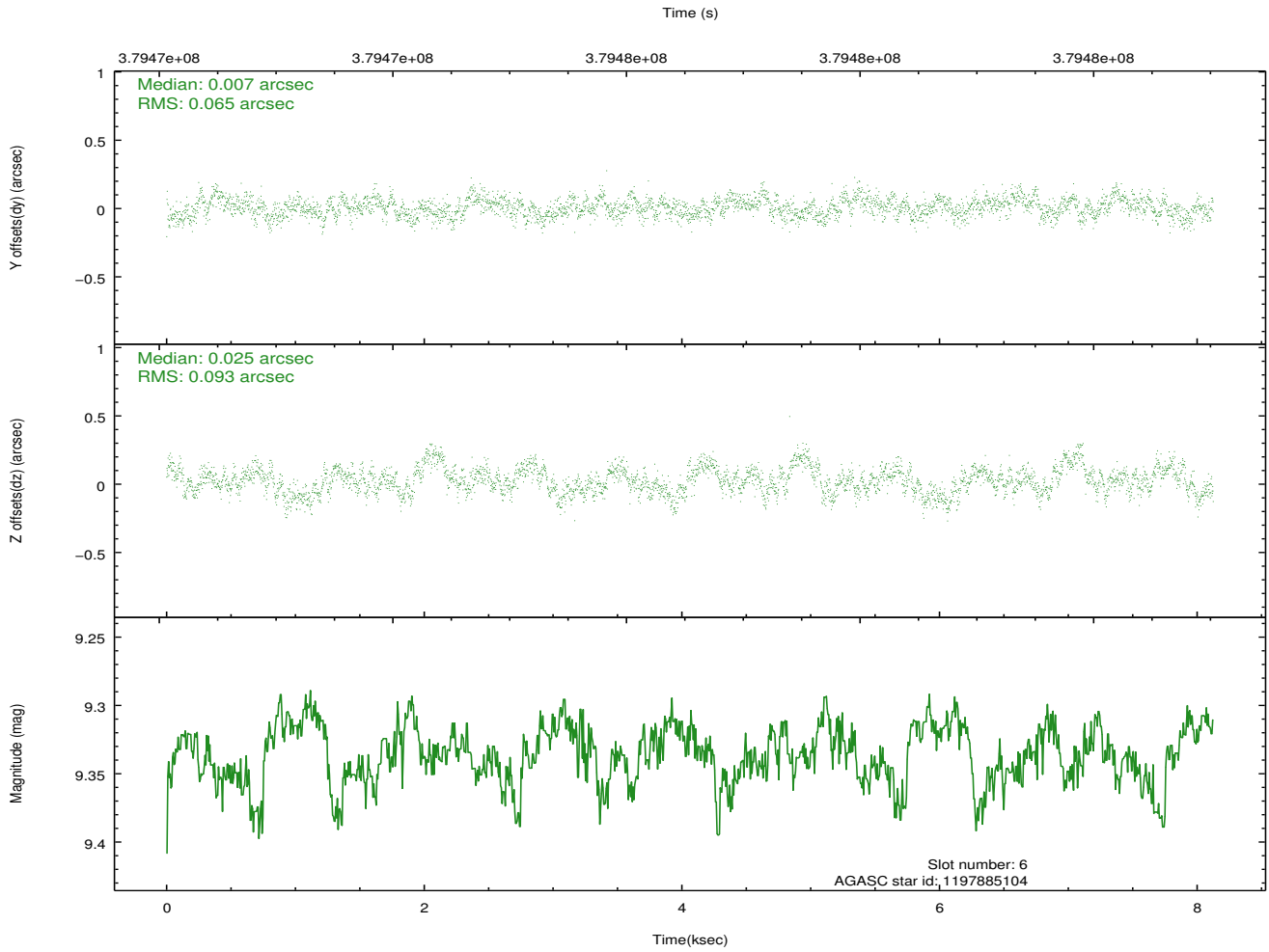
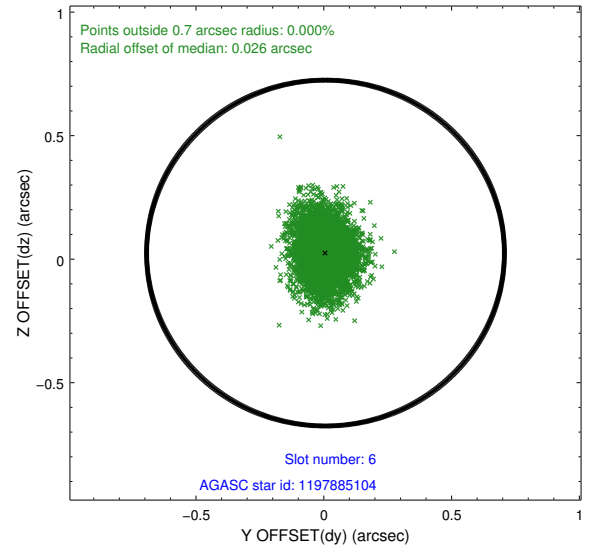
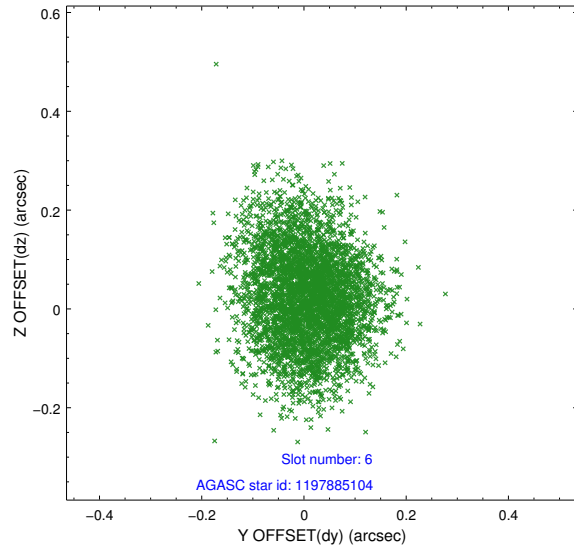
2.4.2 Slot 4



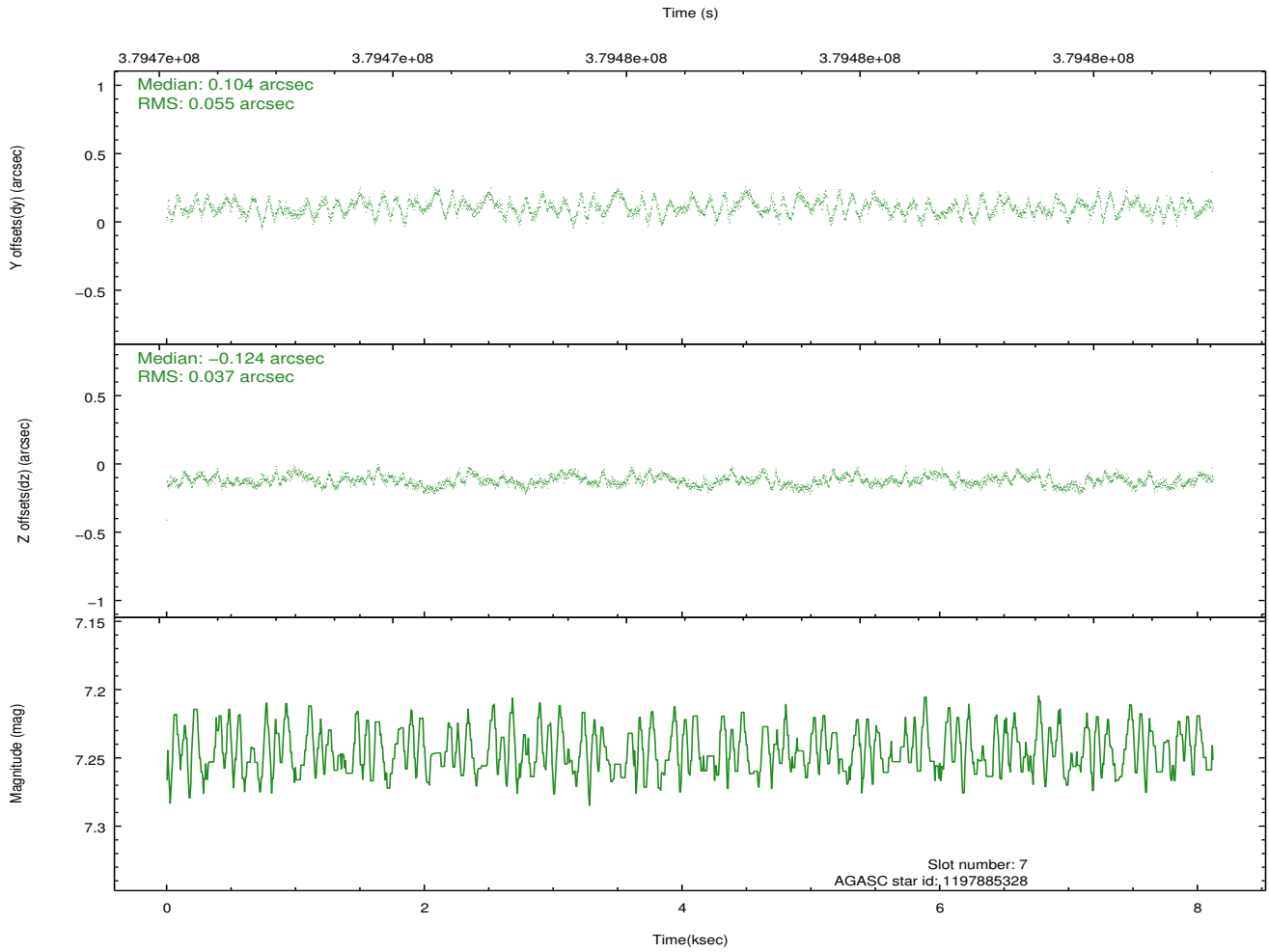
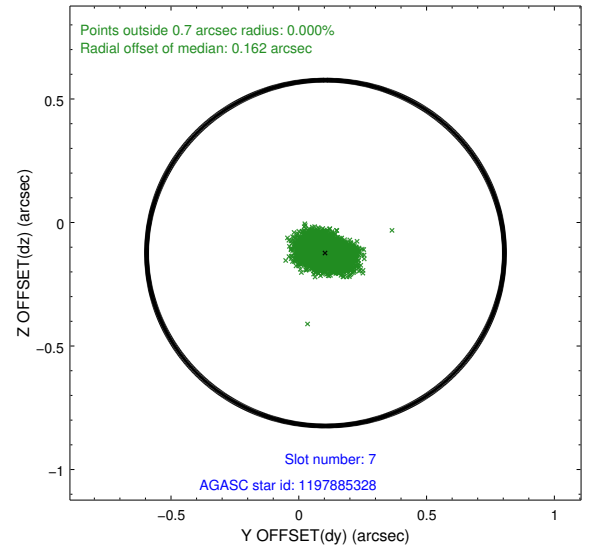
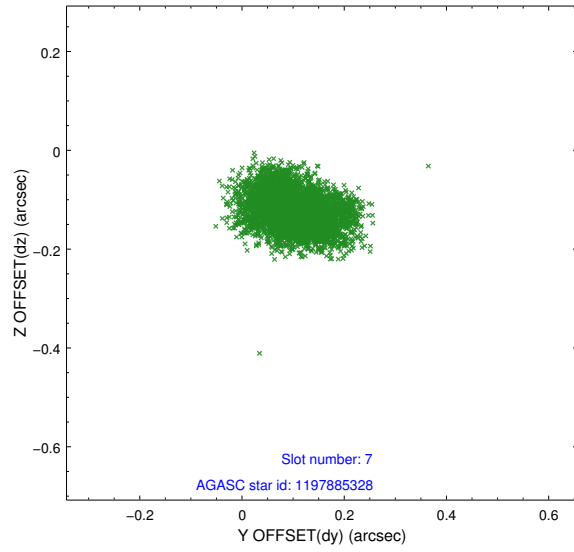
2.4.3 Slot 5



2.4.4 Slot 6

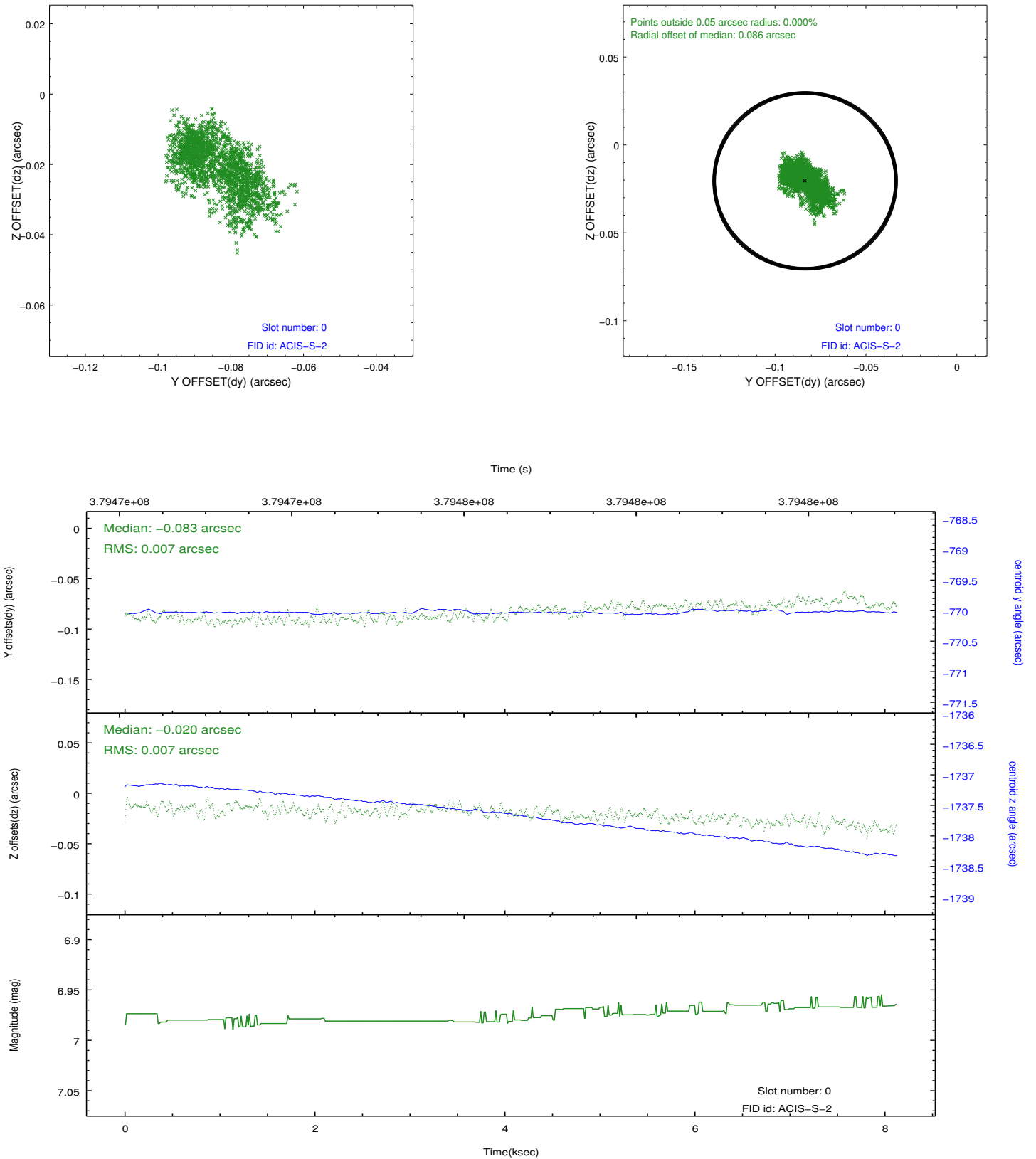


2.4.5 Slot 7

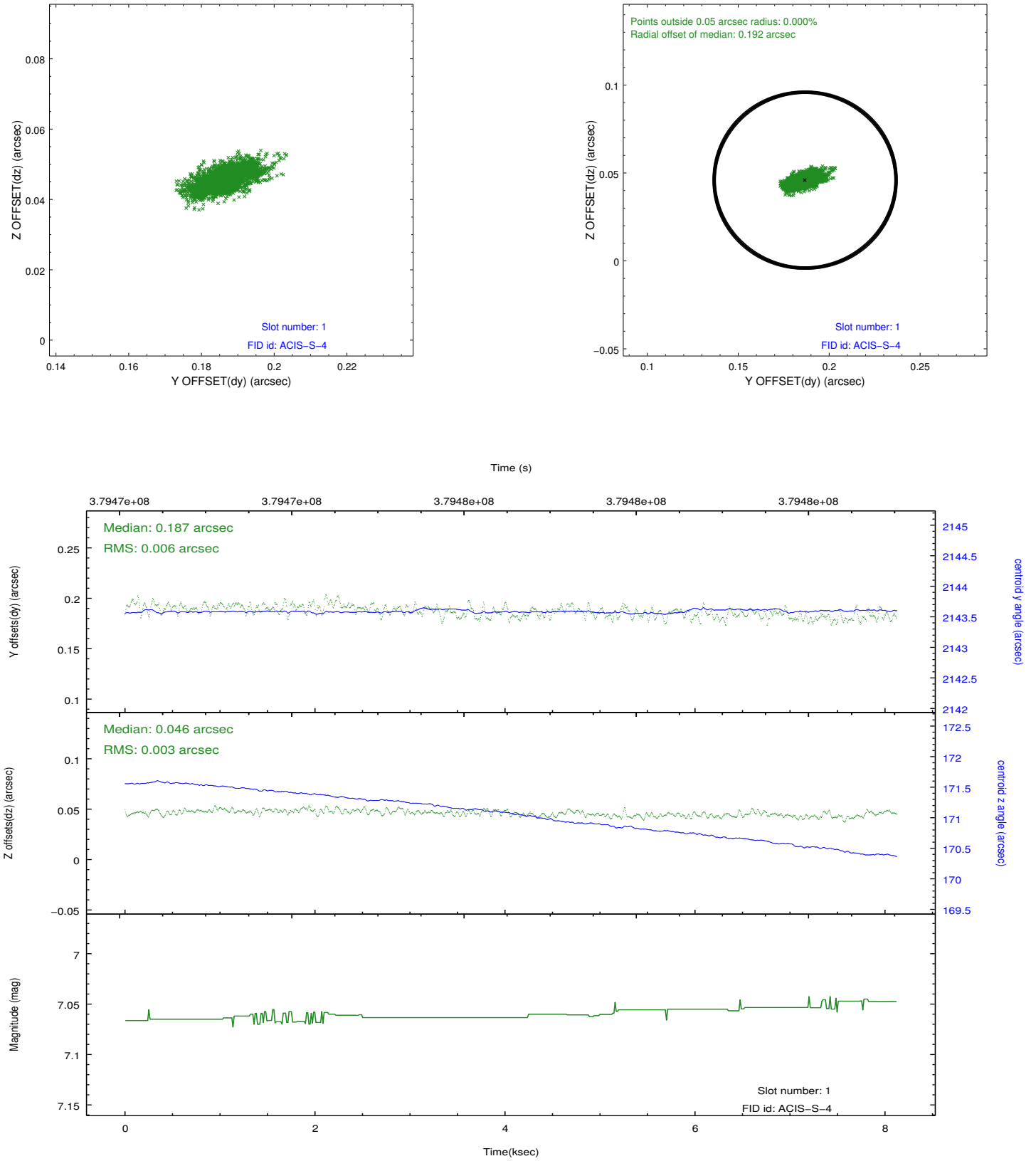


2.5 FID Slots

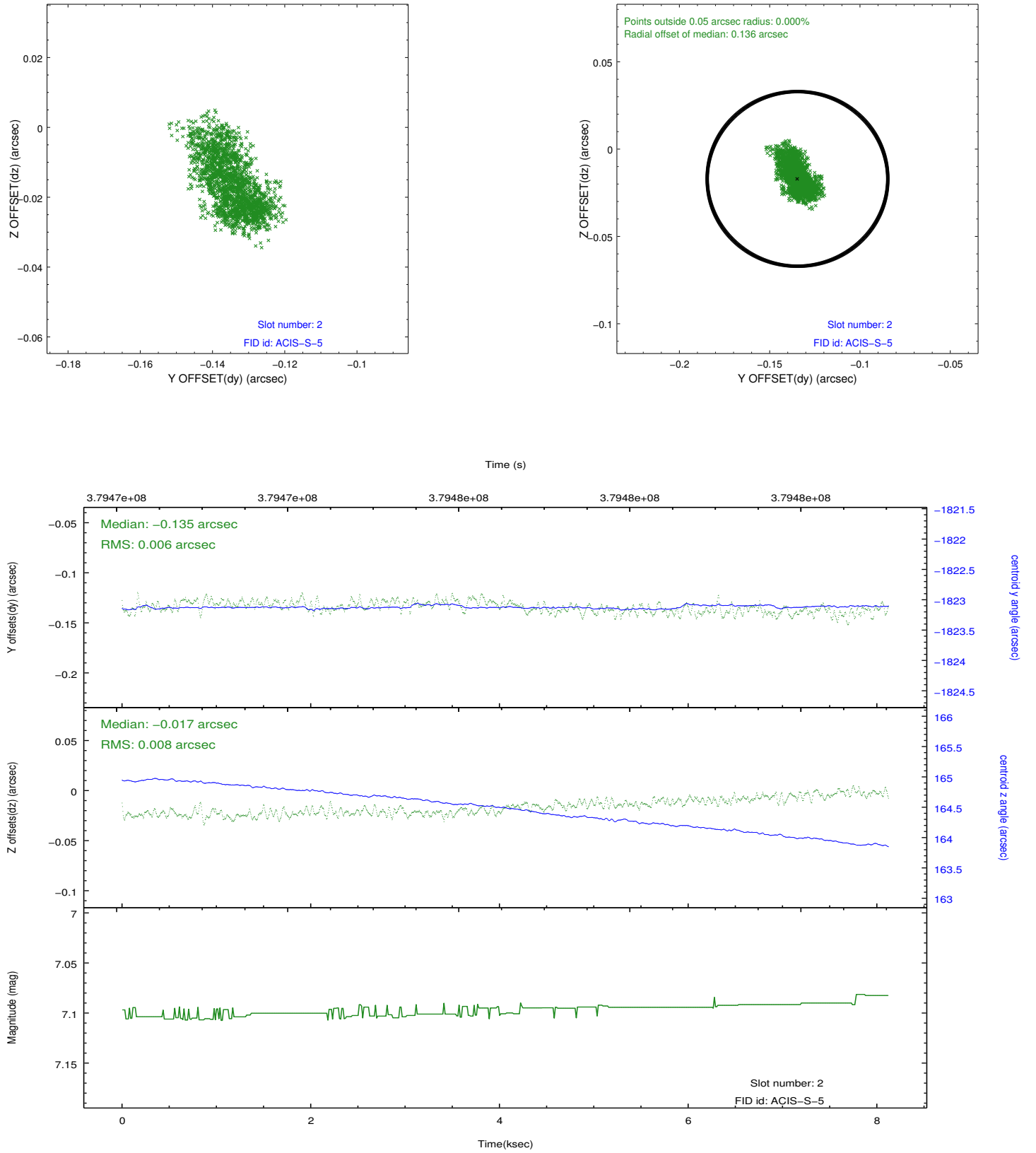
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1232001211047

A.2 Comments

Window constraint met. Source is off-axis, away from aim-point.