

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7710 - L2 Version 2
Chandra X-Ray Center

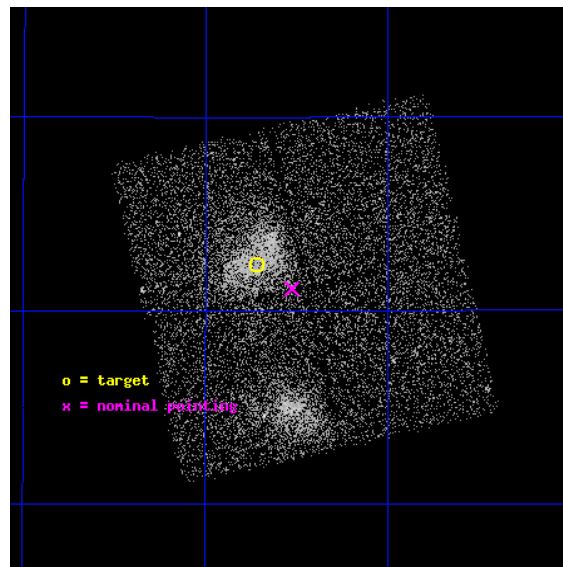
L2 Processing Date : Apr 27 2012

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1 Front

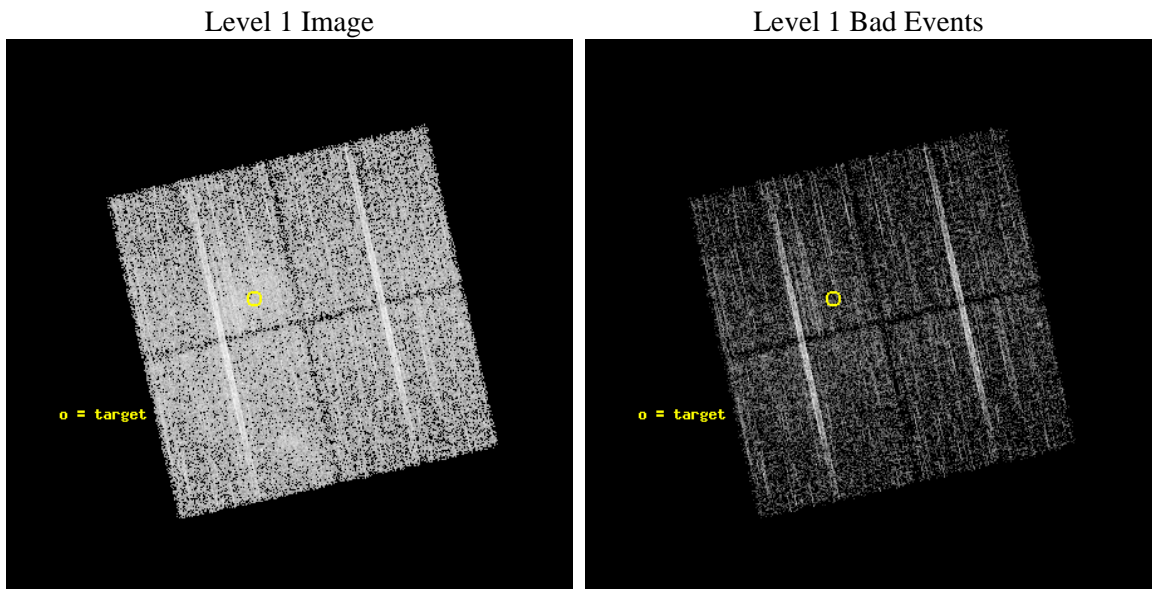
seq_num	701378	Sequence number
obs_id	7710	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	A1758	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.18	Observer's specified target RA [deg]
dec_targ	50.540472	Observer's specified target Dec [deg]
ra_nom	203.13169214645	Nominal RA [deg]
dec_nom	50.519029621706	Nominal Dec [deg]
roll_nom	257.24596231684	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7060.5918184519	Sum of GTIs [s]
livetime	6968.3399884117	Livetime [s]
ontime0	7060.468698442	Sum of GTIs [s]
ontime1	7060.5097384453	Sum of GTIs [s]
ontime2	7060.5507784486	Sum of GTIs [s]
ontime3	7060.5918184519	Sum of GTIs [s]
l2events	18902	Number of level 2 events



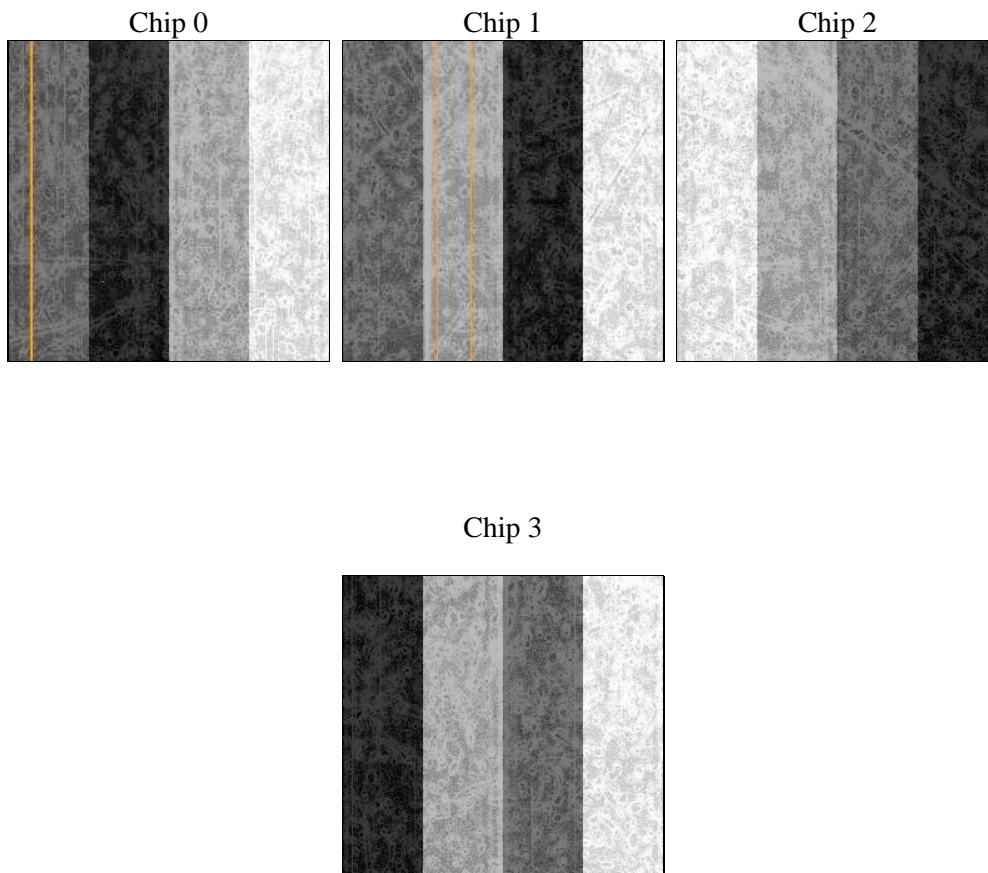
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7003.631000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7060.5918184519	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	7060.468698442	Sum of GTIs [s]
date	2012-04-28T00:38:51	Date and time of file creation	ontime1	7060.5097384453	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7060.5507784486	Sum of GTIs [s]
			ontime3	7060.5918184519	Sum of GTIs [s]
			l1events	185315	Number of level 1 events

2.1.4 Events

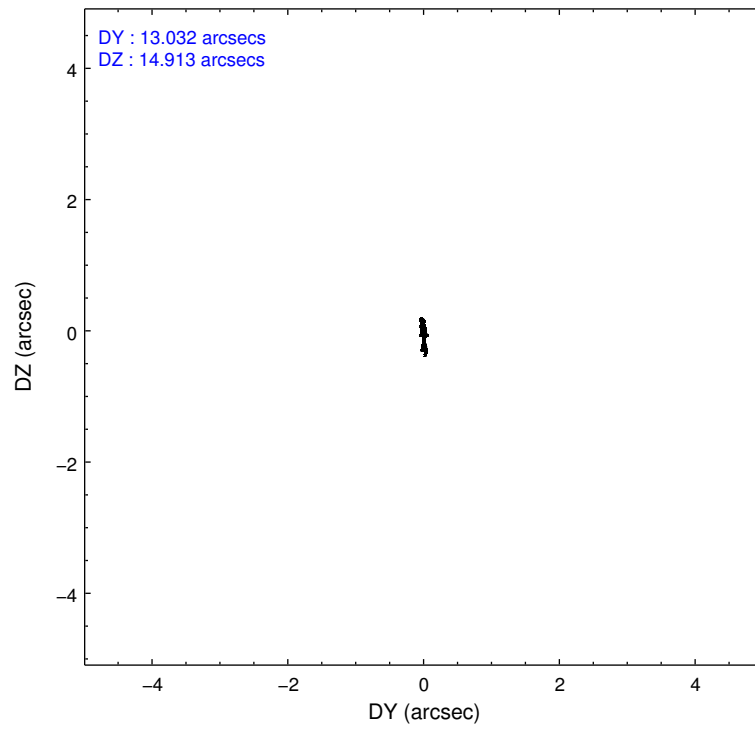
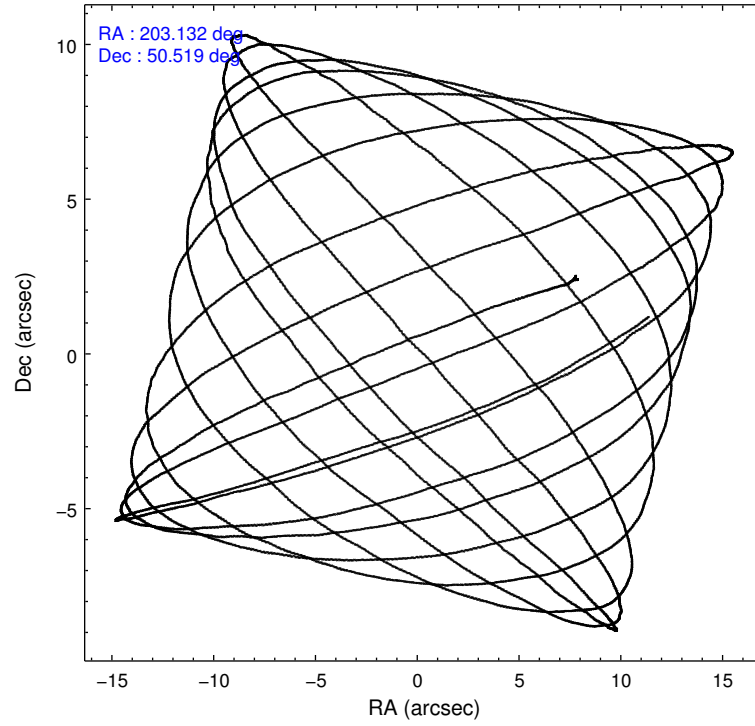
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	42433	41954	50737	50191
rejected events	38098	37424	44135	42835
rejected %	89%	89%	86%	85%

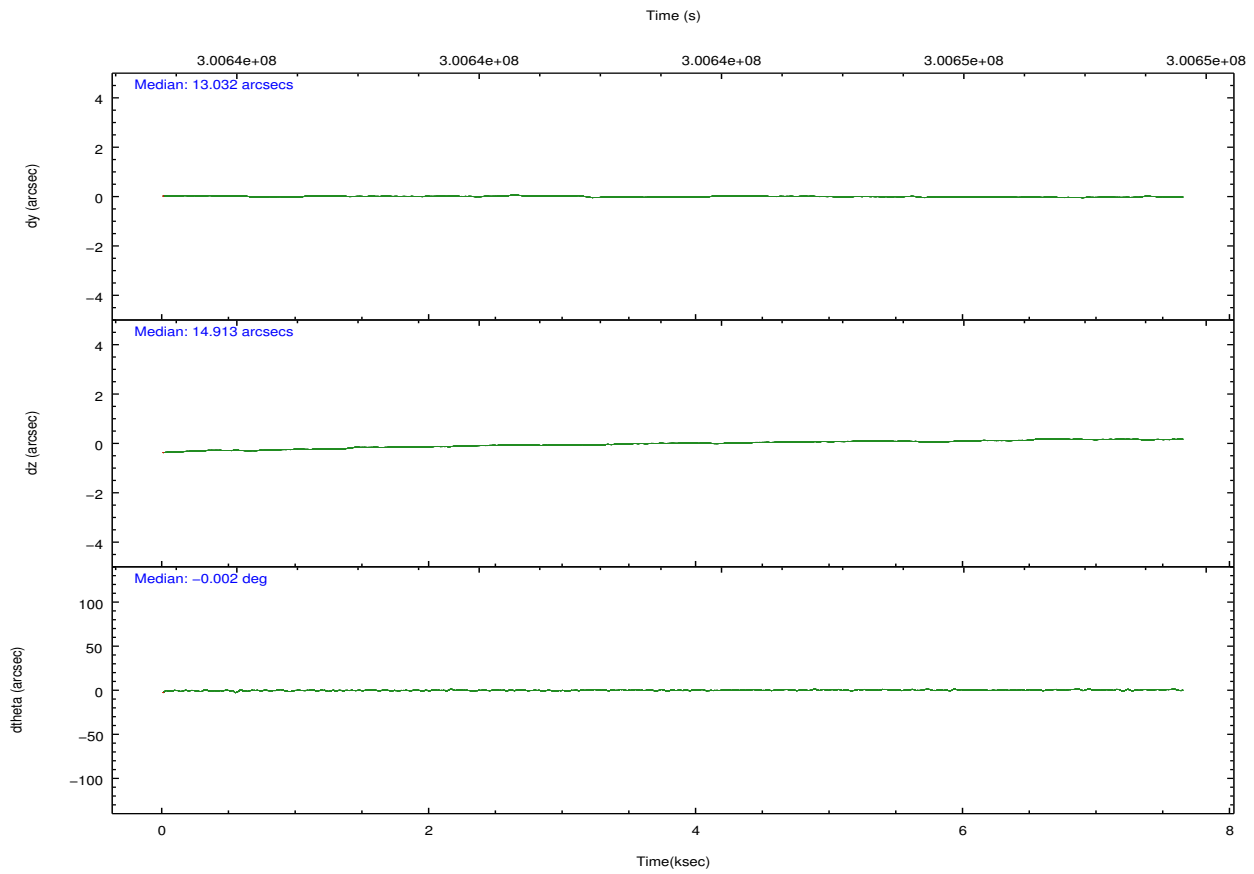
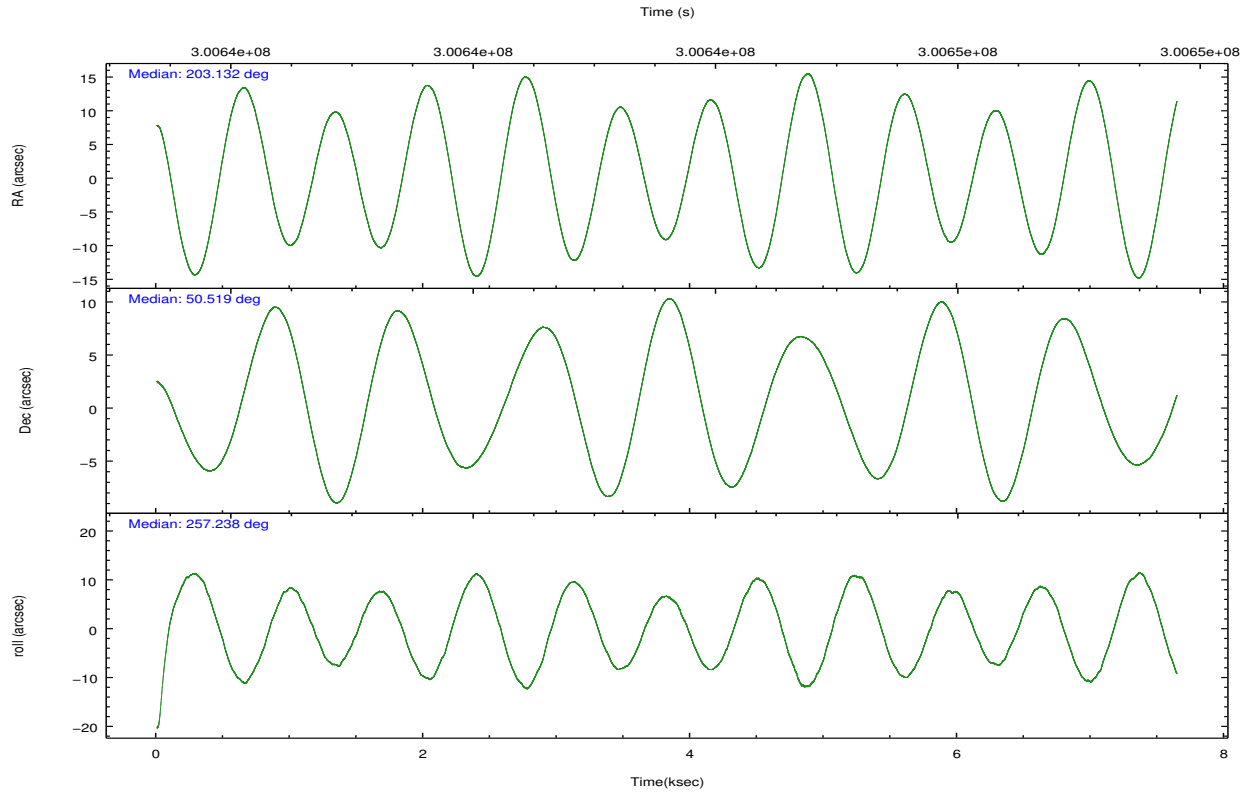
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1776	1795	3698	4438
	4%	4%	7%	8%
grade 1 events	29	22	38	49
	0%	0%	0%	0%
grade 2 events	1008	991	1276	1153
	2%	2%	2%	2%
grade 3 events	481	513	486	532
	1%	1%	0%	1%
grade 4 events	455	503	522	552
	1%	1%	1%	1%
grade 5 events	760	911	716	934
	1%	2%	1%	1%
grade 6 events	616	730	623	683
	1%	1%	1%	1%
grade 7 events	37308	36489	43378	41850
	87%	86%	85%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	203.118789	203.1316921464505	Subarray requested	NONE	NONE
[deg] Pointing Dec	50.545335	50.51902962170642	Alternating exposures requested	N	N
[deg] Pointing Roll	257.047264	257.2459623168371	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	300640424.184000	300639331.07289			
Observation start date	2007-07-12T15:12:39	2007-07-12T14:55:31			
[s] Observation end time (MET)	300647428.184000	300647669.44829			
Observation end date	2007-07-12T17:09:23	2007-07-12T17:14:29			
Read mode	TIMED	TIMED			

2.3 Aspect



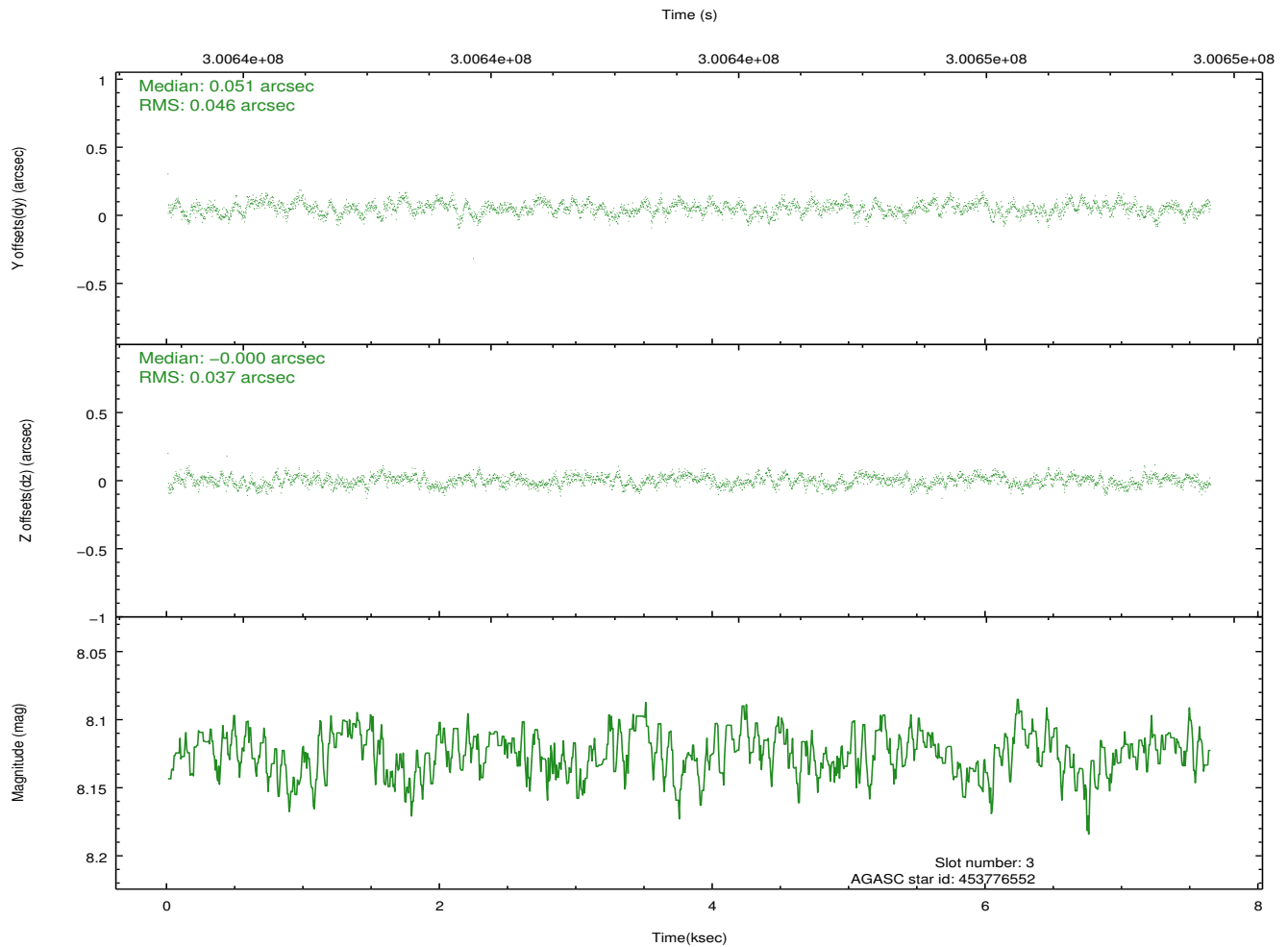
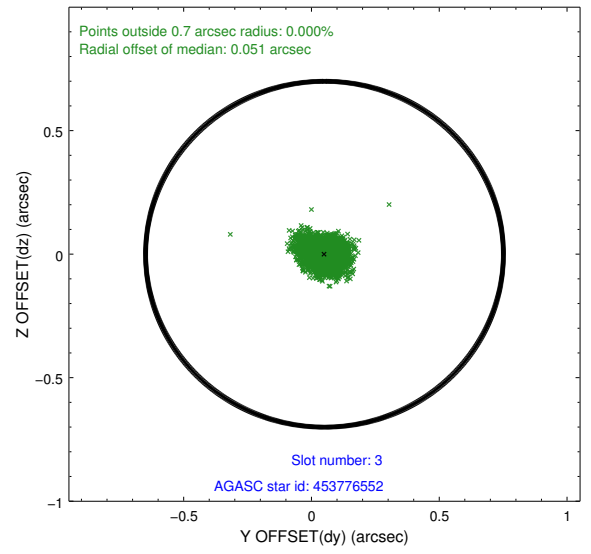
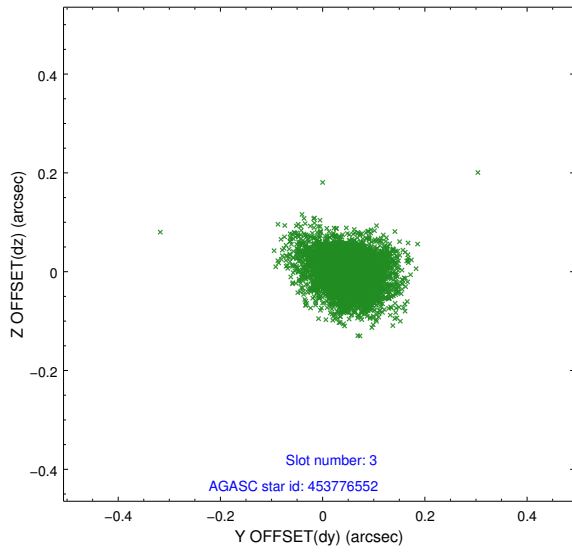


Slot Statistics

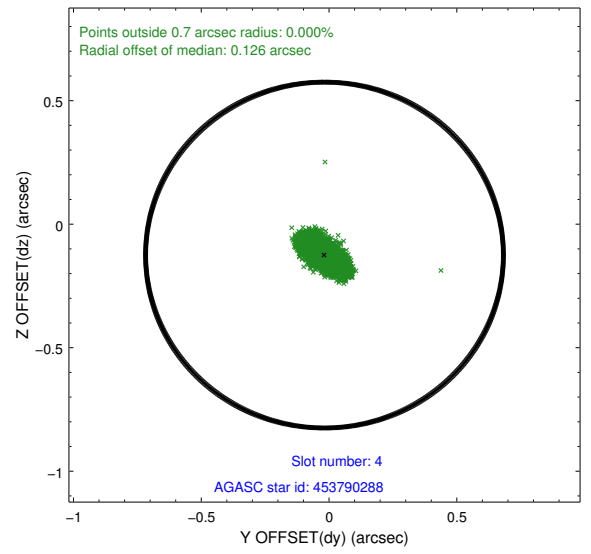
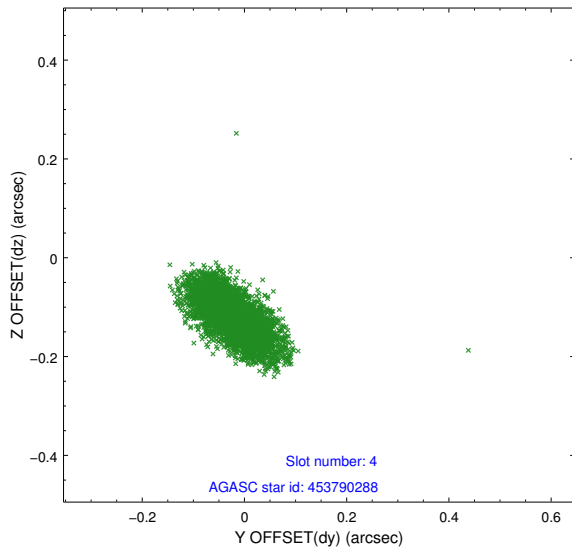
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	1864	0.037	-0.021	0.010	0.016	0.000000	0.000000	926.52	-838.50
1	FID	ACIS-I-5	7.22	1864	-0.216	0.037	0.007	0.011	0.000000	0.000000	-1821.43	1058.67
2	FID	ACIS-I-6	7.23	1864	0.088	0.055	0.010	0.017	0.000000	0.000000	391.30	1704.04
3	GUIDE	453776552	8.12	3725	0.051	-0.000	0.062	0.102	202.406739	50.186569	1619.07	-1311.31
4	GUIDE	453790288	6.66	3728	-0.018	-0.125	0.064	0.107	202.190977	50.718575	-145.44	-2203.25
5	GUIDE	454692248	9.32	3725	0.173	0.098	0.089	0.144	202.744066	50.628741	-102.53	-901.68
6	GUIDE	454694864	7.95	3728	-0.122	0.021	0.062	0.097	203.458203	50.950289	-1594.95	423.16
7	GUIDE	453778048	7.28	3727	-0.089	0.007	0.060	0.114	202.049130	50.587295	383.35	-2420.57

2.4 Star Slots

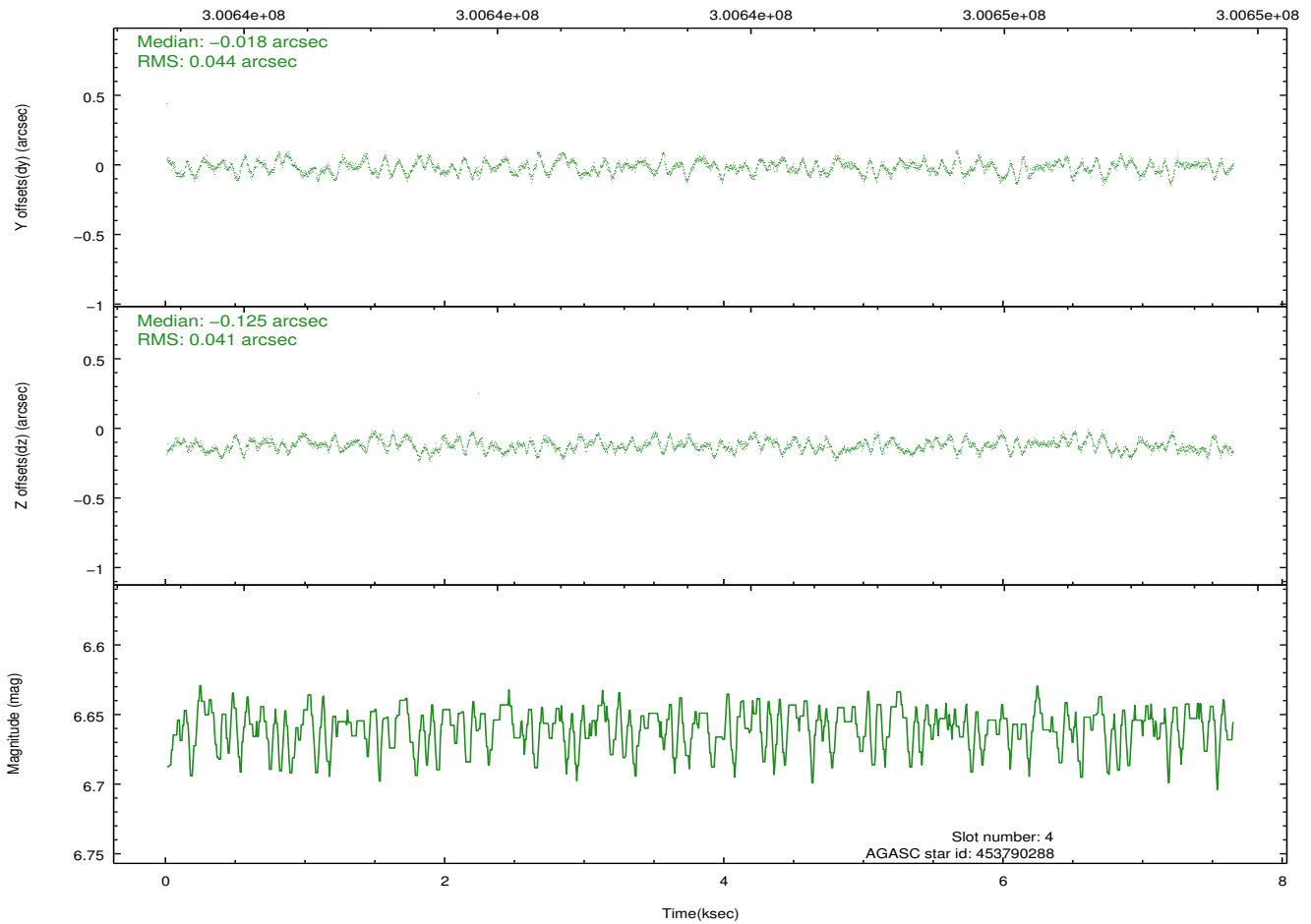
2.4.1 Slot 3



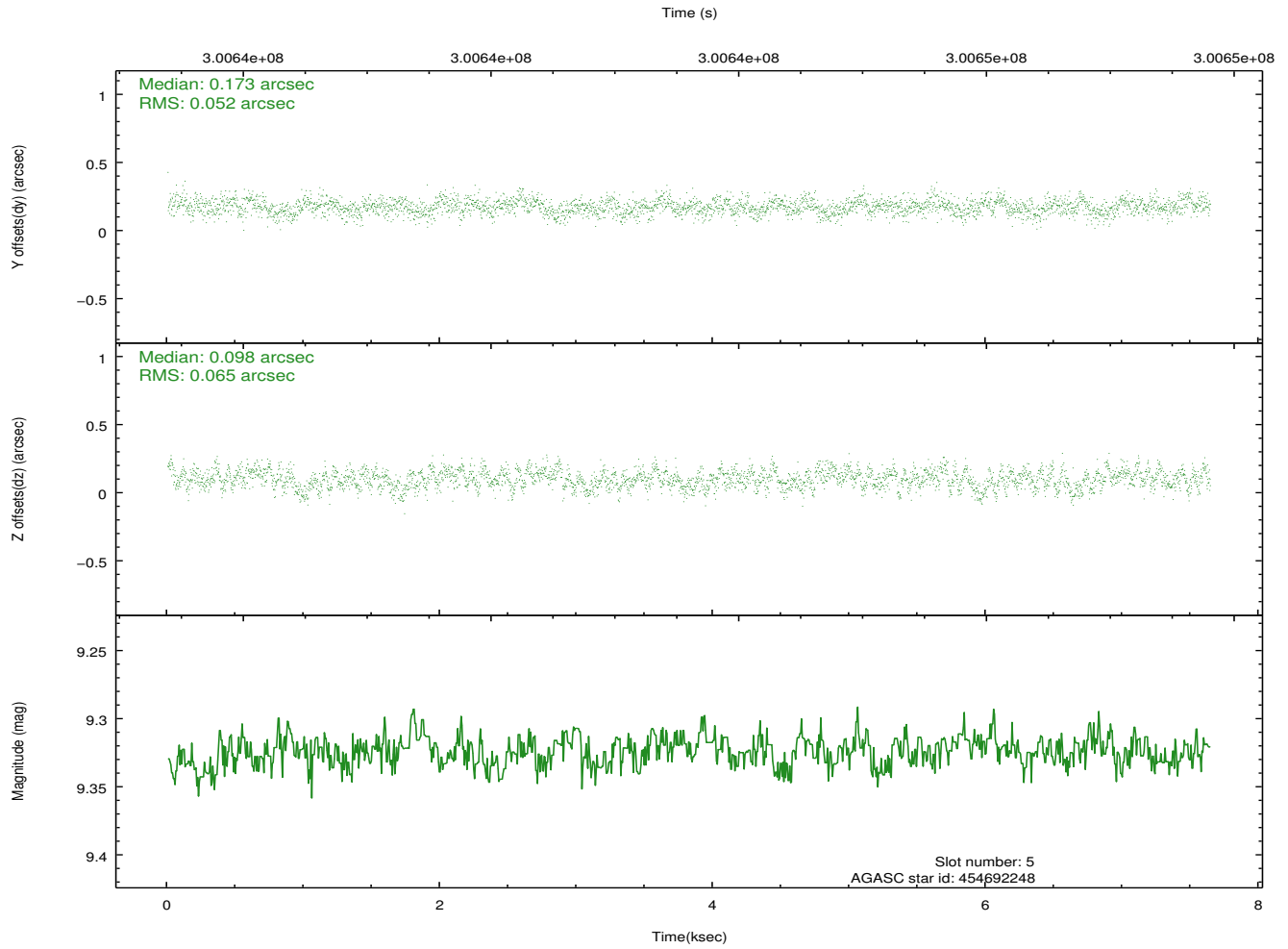
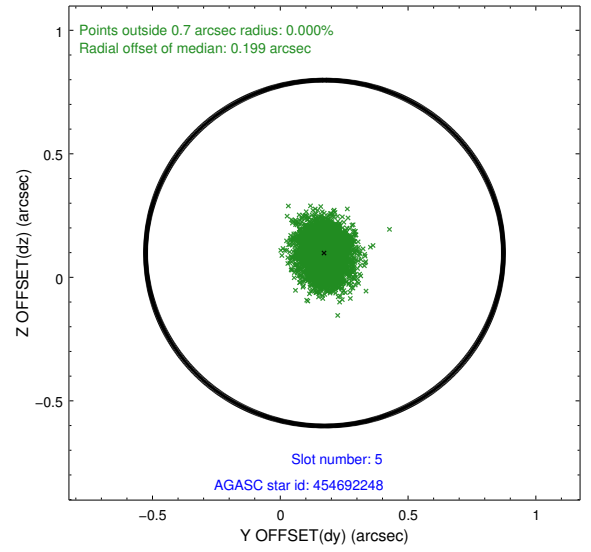
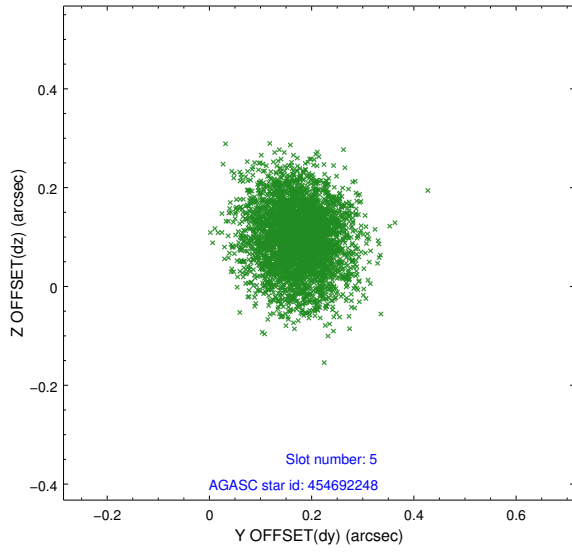
2.4.2 Slot 4



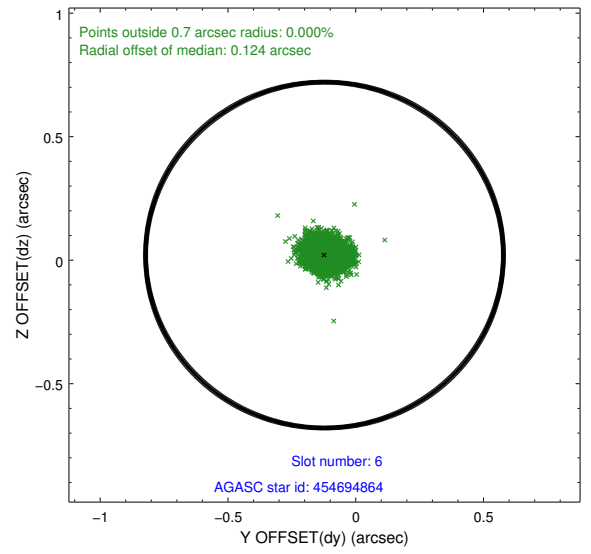
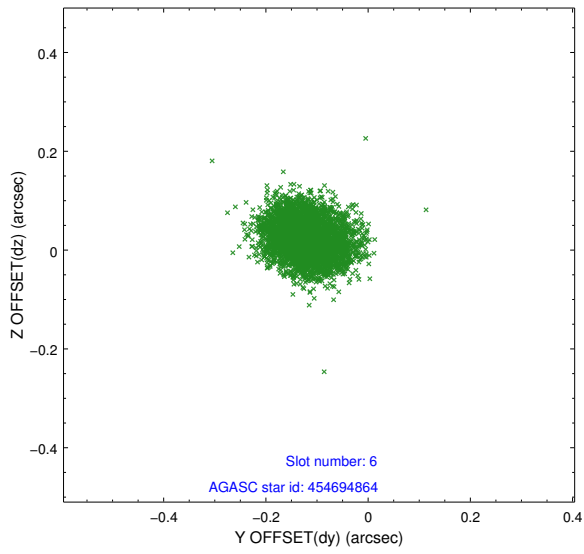
Time (s)



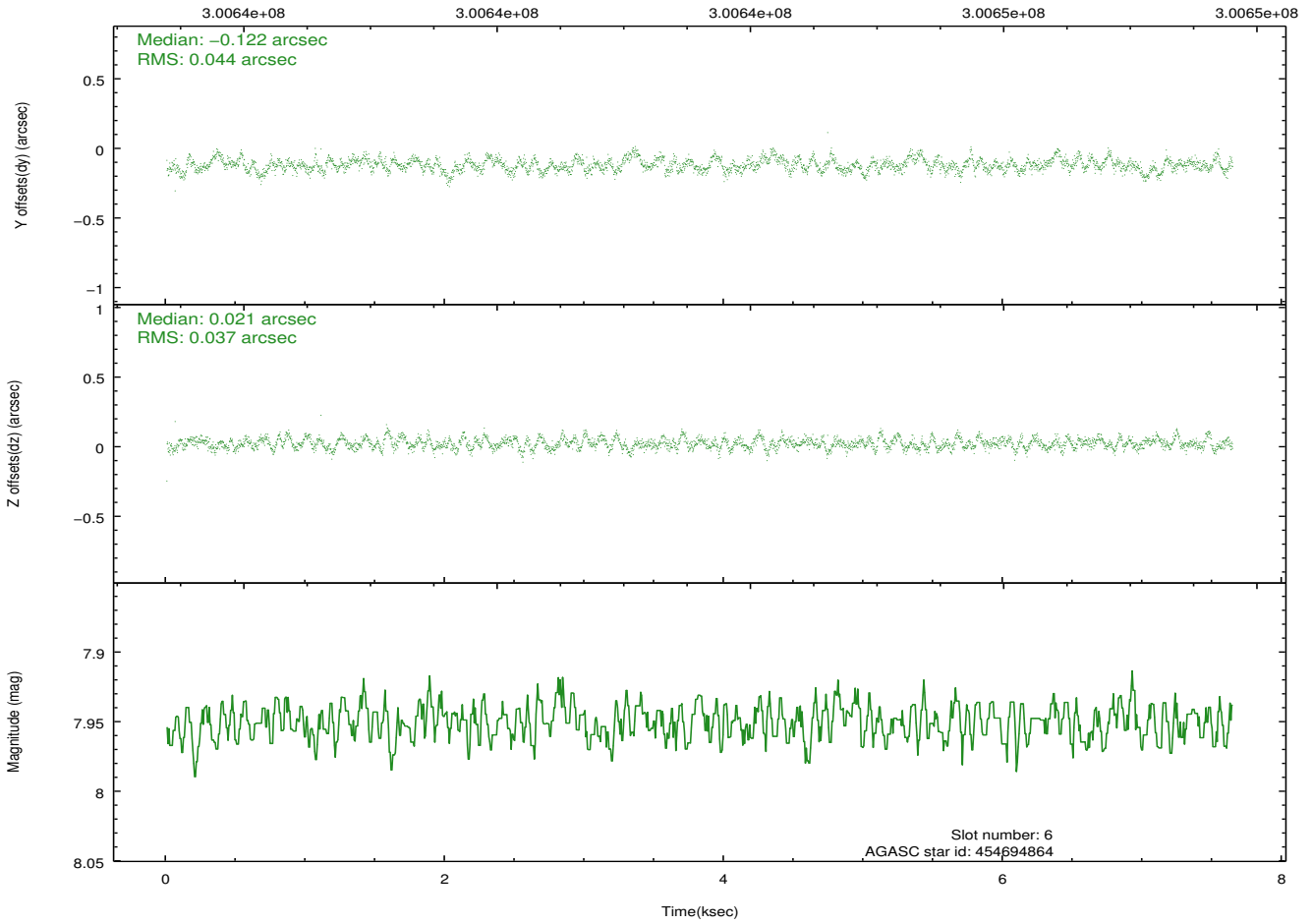
2.4.3 Slot 5



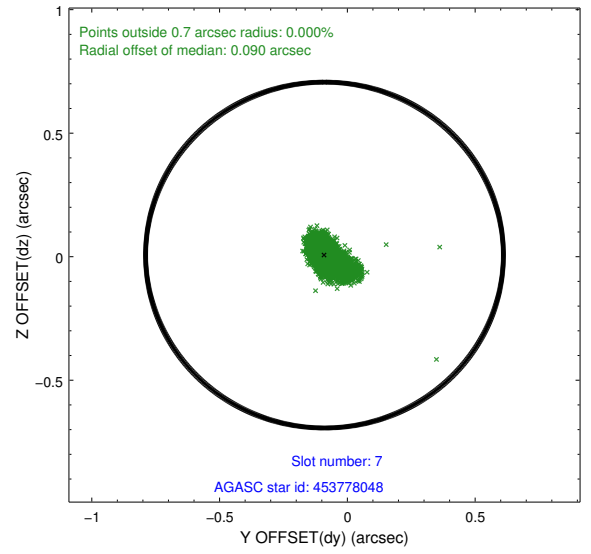
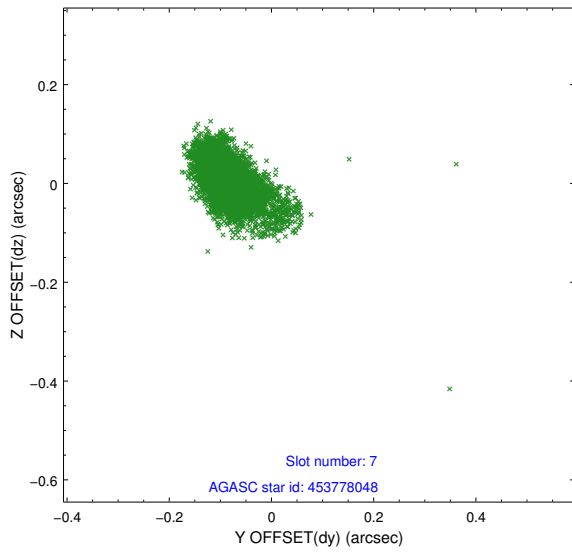
2.4.4 Slot 6



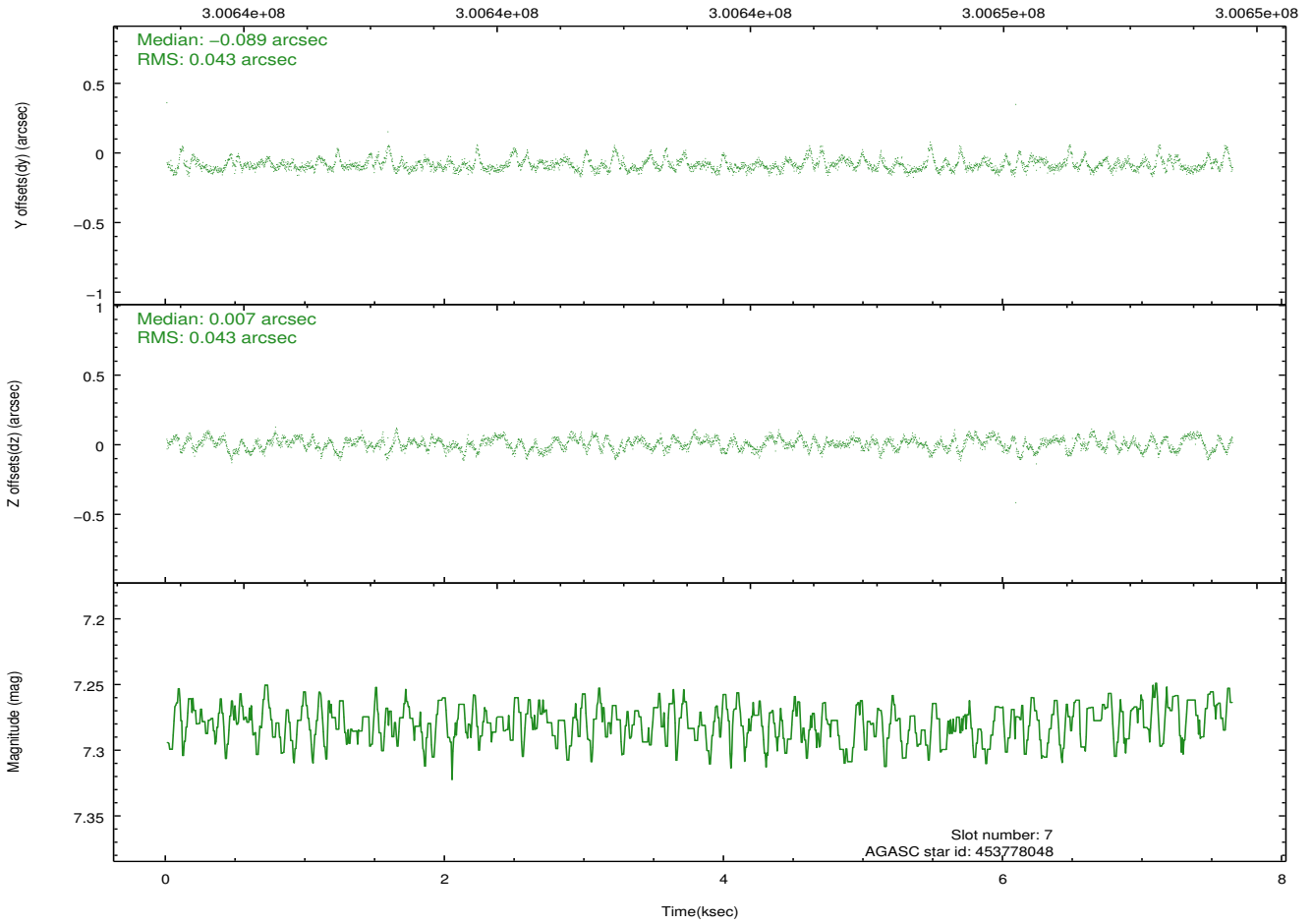
Time (s)



2.4.5 Slot 7

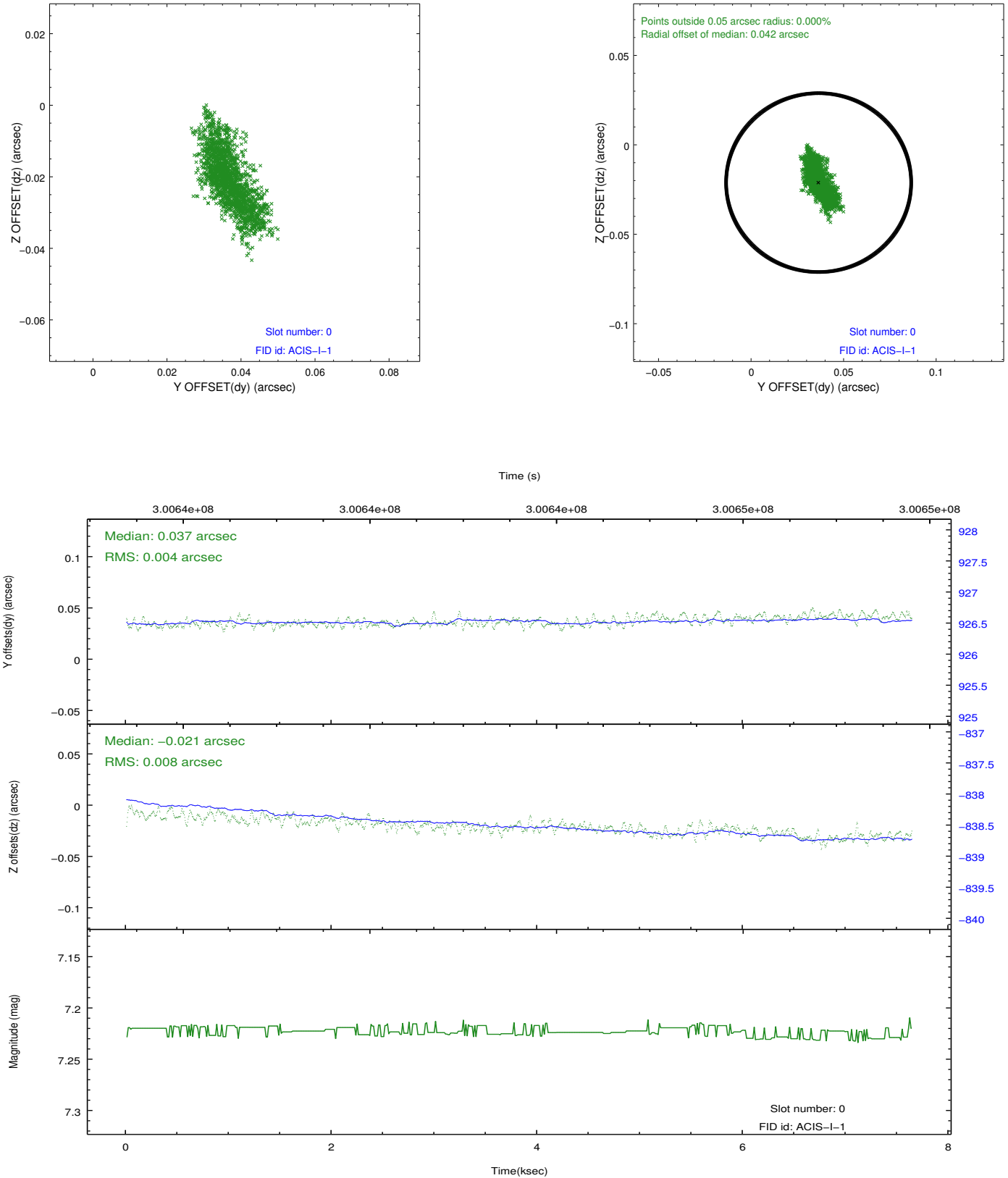


Time (s)

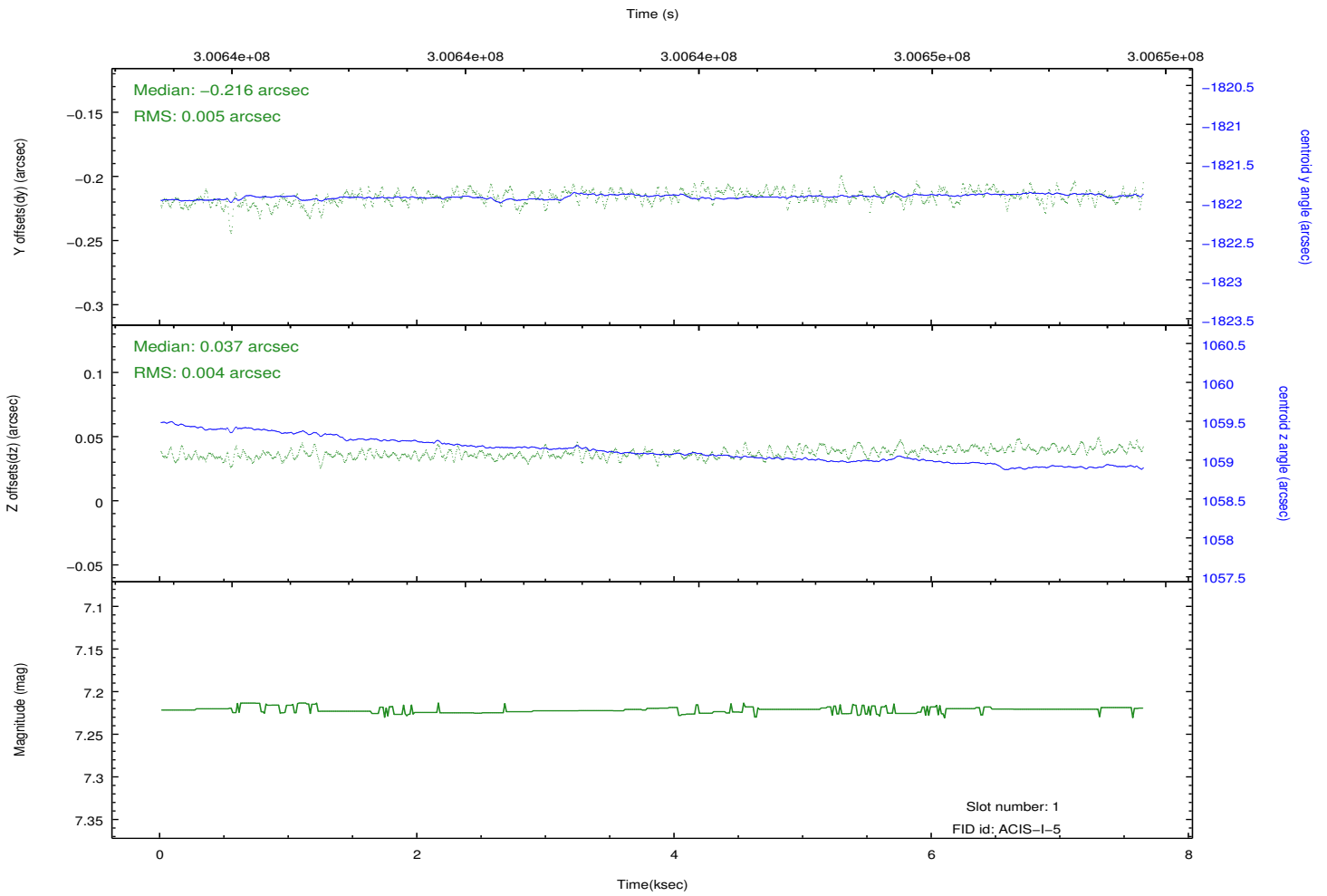
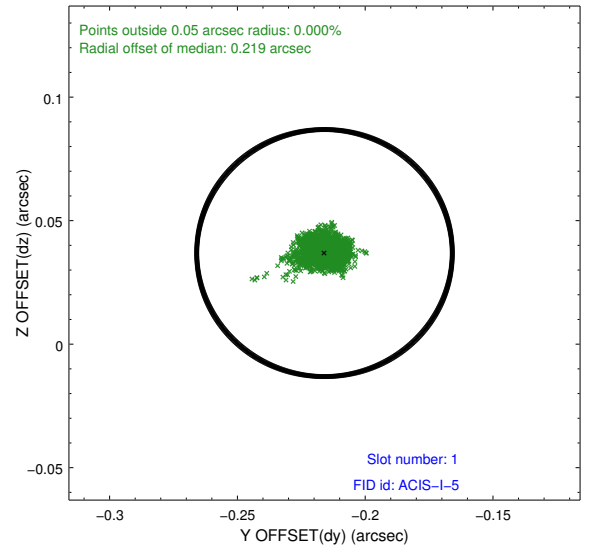
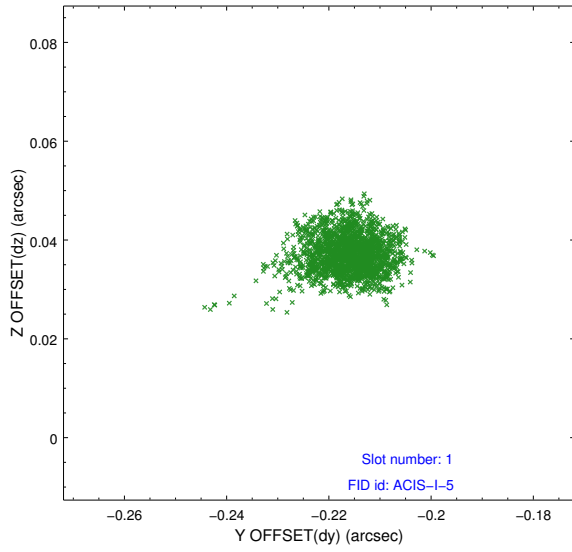


2.5 FID Slots

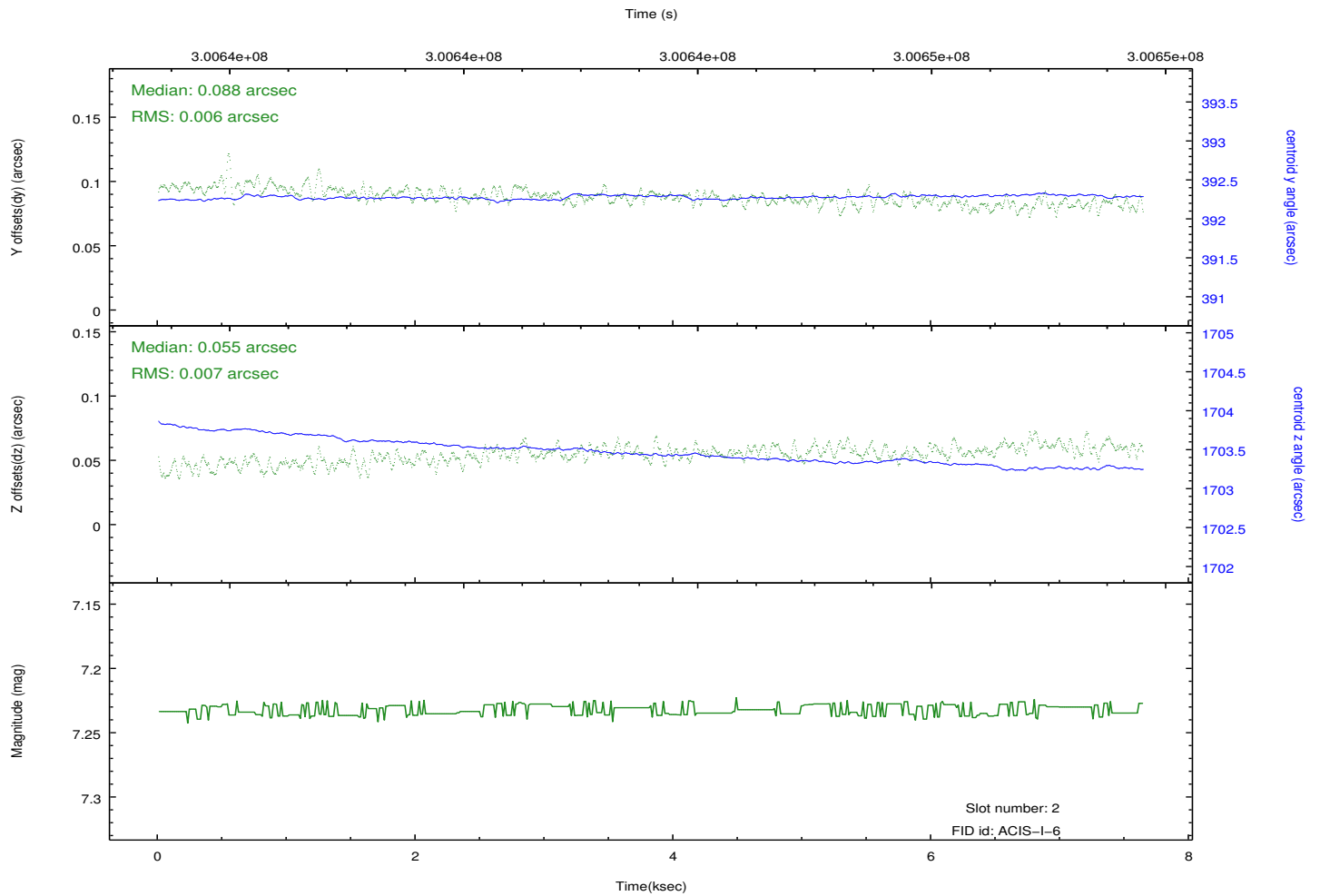
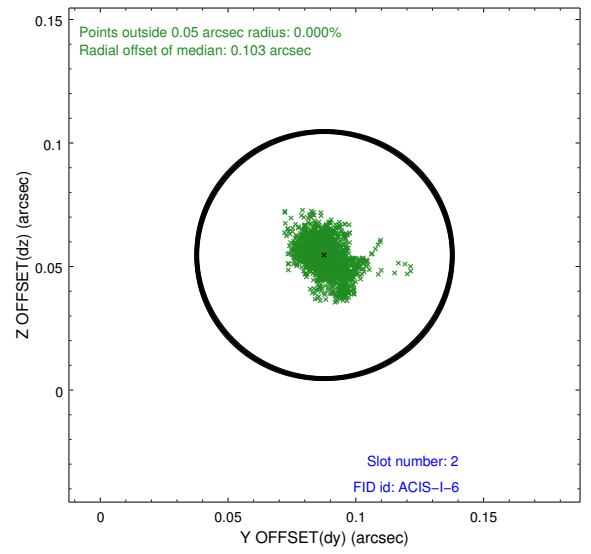
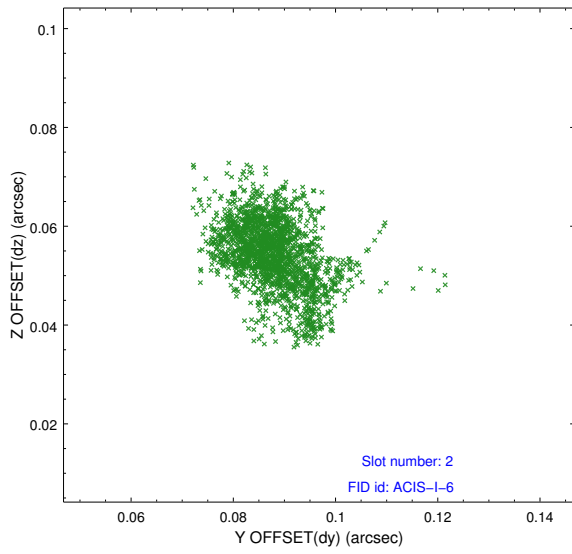
2.5.1 Slot 0



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)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.06180005

A.2 Comments