

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6558 - L2 Version 4
Chandra X-Ray Center

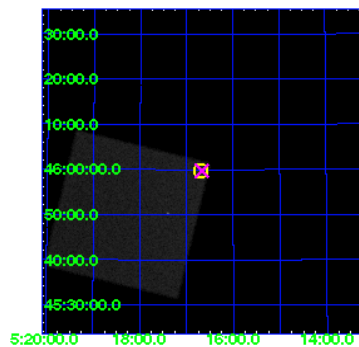
L2 Processing Date : Aug 10 2012

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1 Front

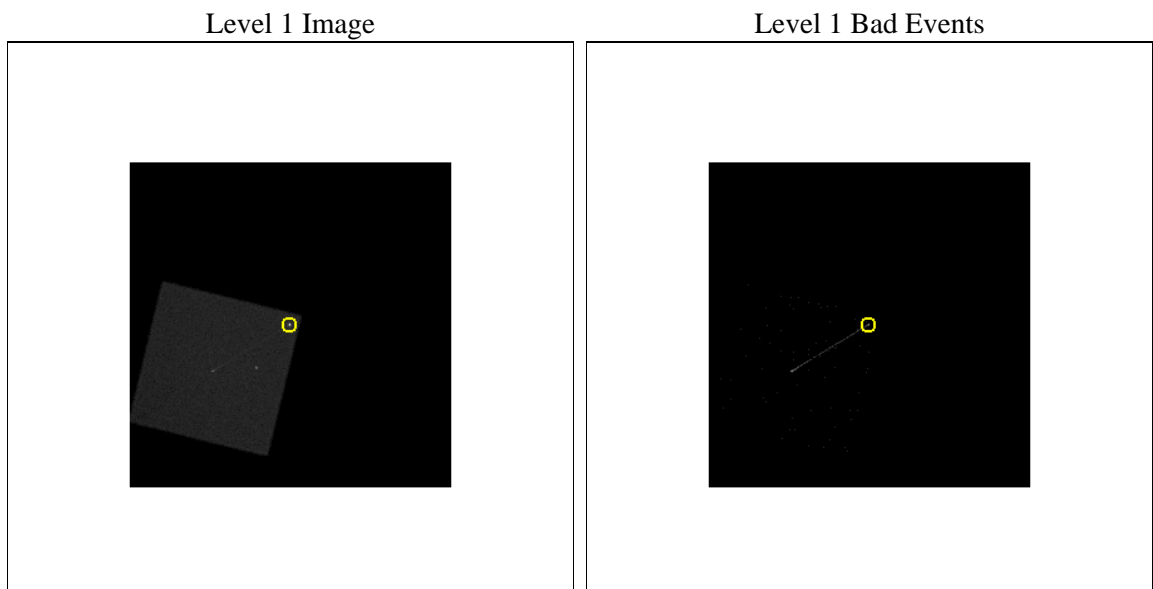
seq_num	290651	Sequence number
obs_id	6558	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.167792941903	Nominal RA [deg]
dec_nom	45.995754235996	Nominal Dec [deg]
roll_nom	238.76674305237	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5187.7814904749	[s]
livetime	5141.9893370474	Ontime multiplied by DTCOR
l2events	304151	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5187.7814904749	[s]
caldbver	4.5.1.1	 	l1events	436306	Number of level 1 events
date	2012-08-10T23:18:15	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

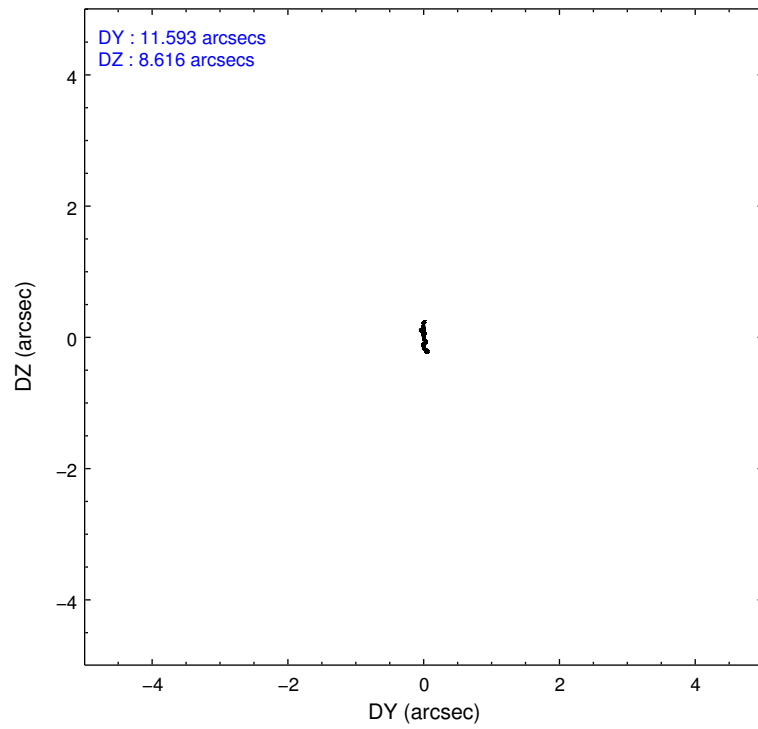
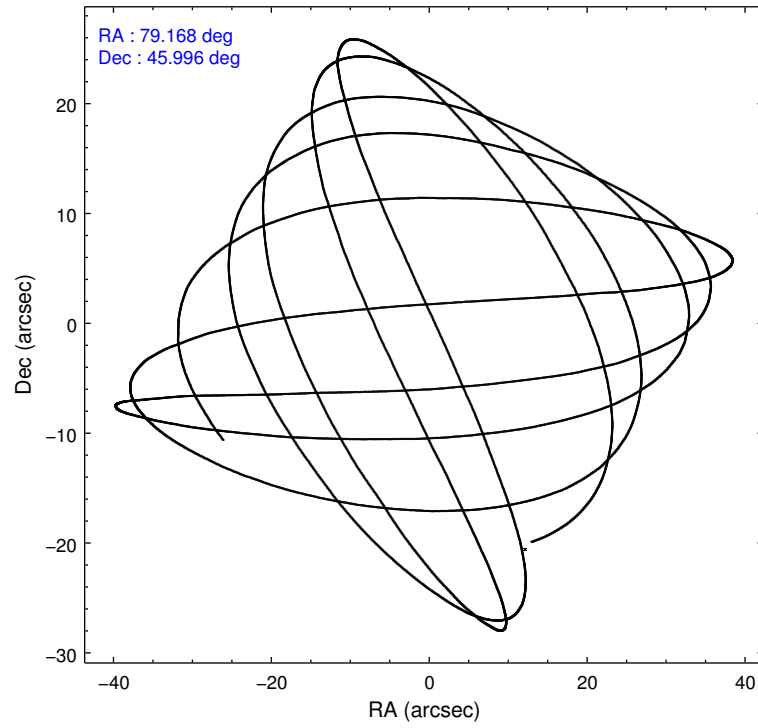
Level 1 Events

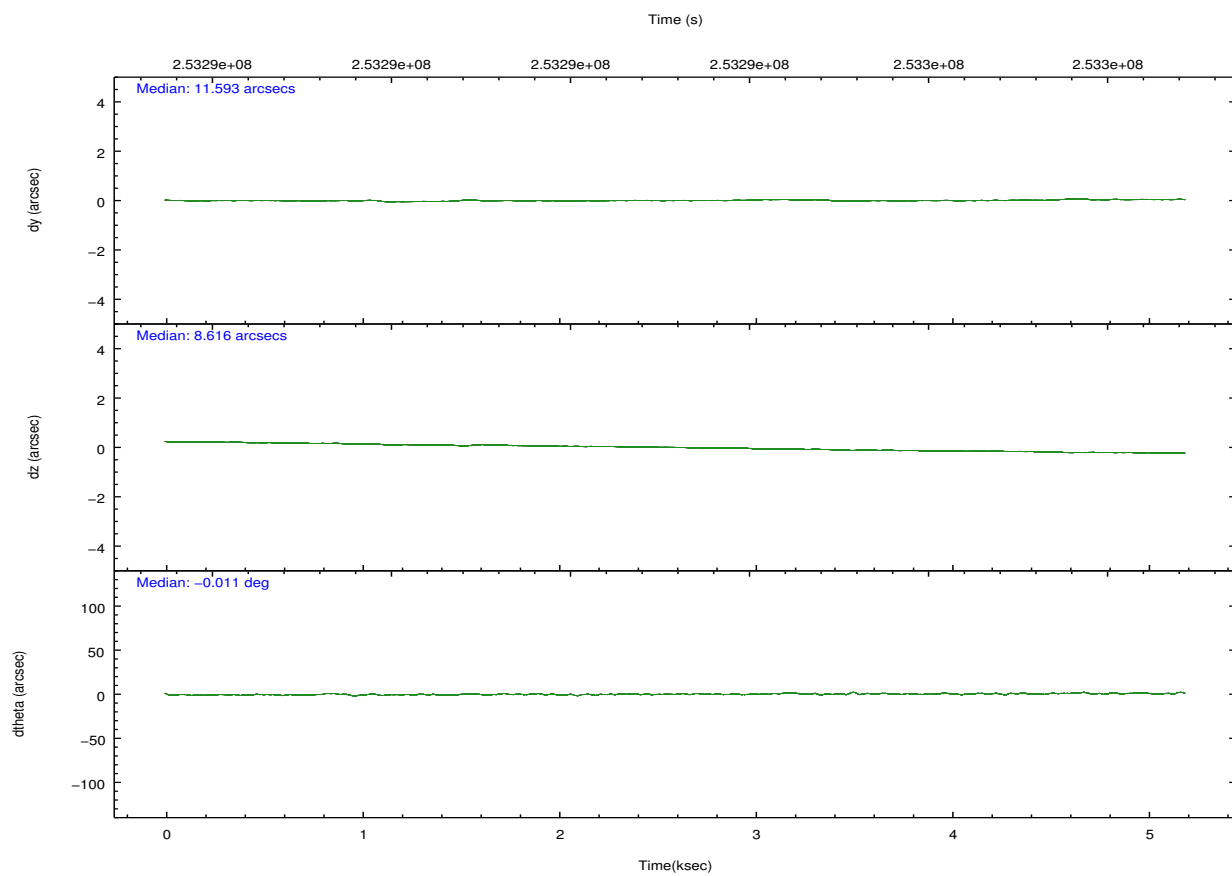
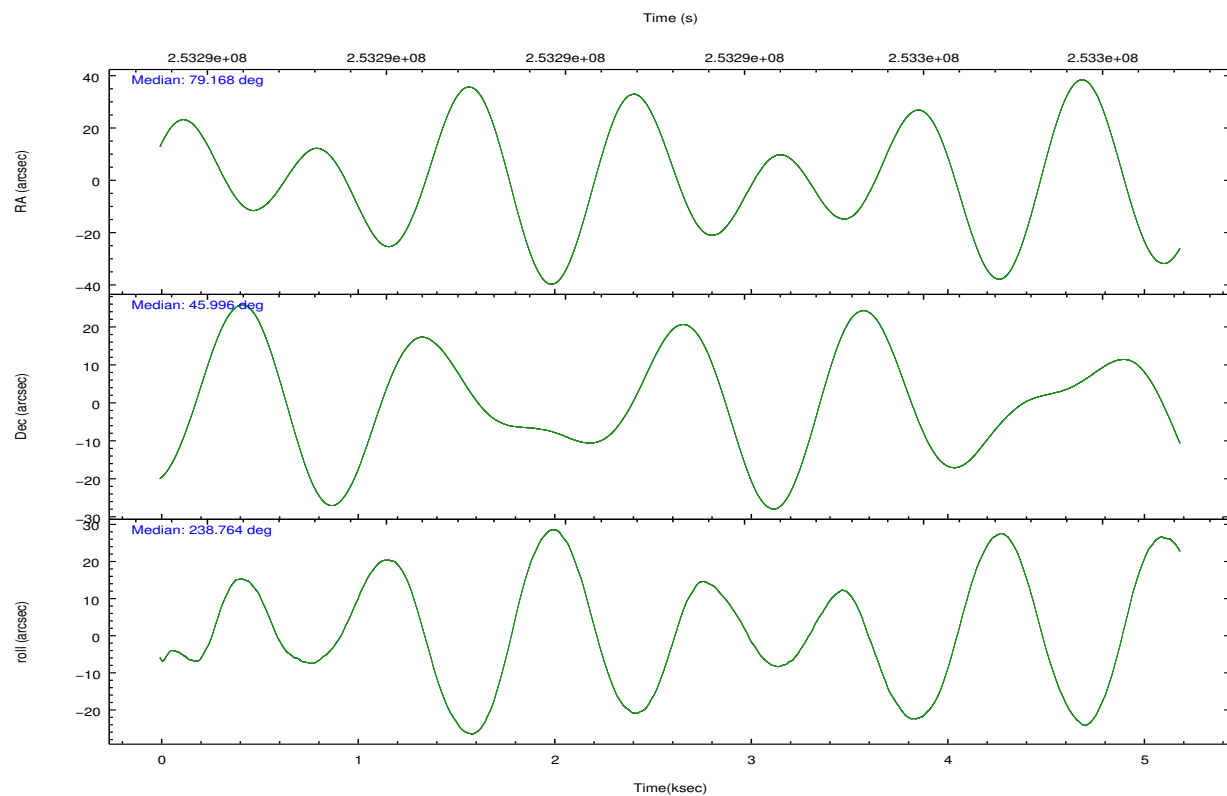
	segment 0
level 1 events	436306
rejected events	25811
rejected %	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	79.167584	79.16779294190273			
[deg] Pointing Dec	46.022648	45.99575423599647			
[deg] Pointing Roll	238.862401	238.7667430523711			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	69.985494	69.98093778831948			
[mm] SIM translation stage offset	57	57.00455110328208			
[s] Observation start time (MET)	253291173.184000	253290796.59191			
Observation start date	2006-01-10T14:38:28	2006-01-10T14:33:16			
[s] Observation end time (MET)	253296173.184000	253296306.47966			
Observation end date	2006-01-10T16:01:48	2006-01-10T16:05:06			

2.3 Aspect



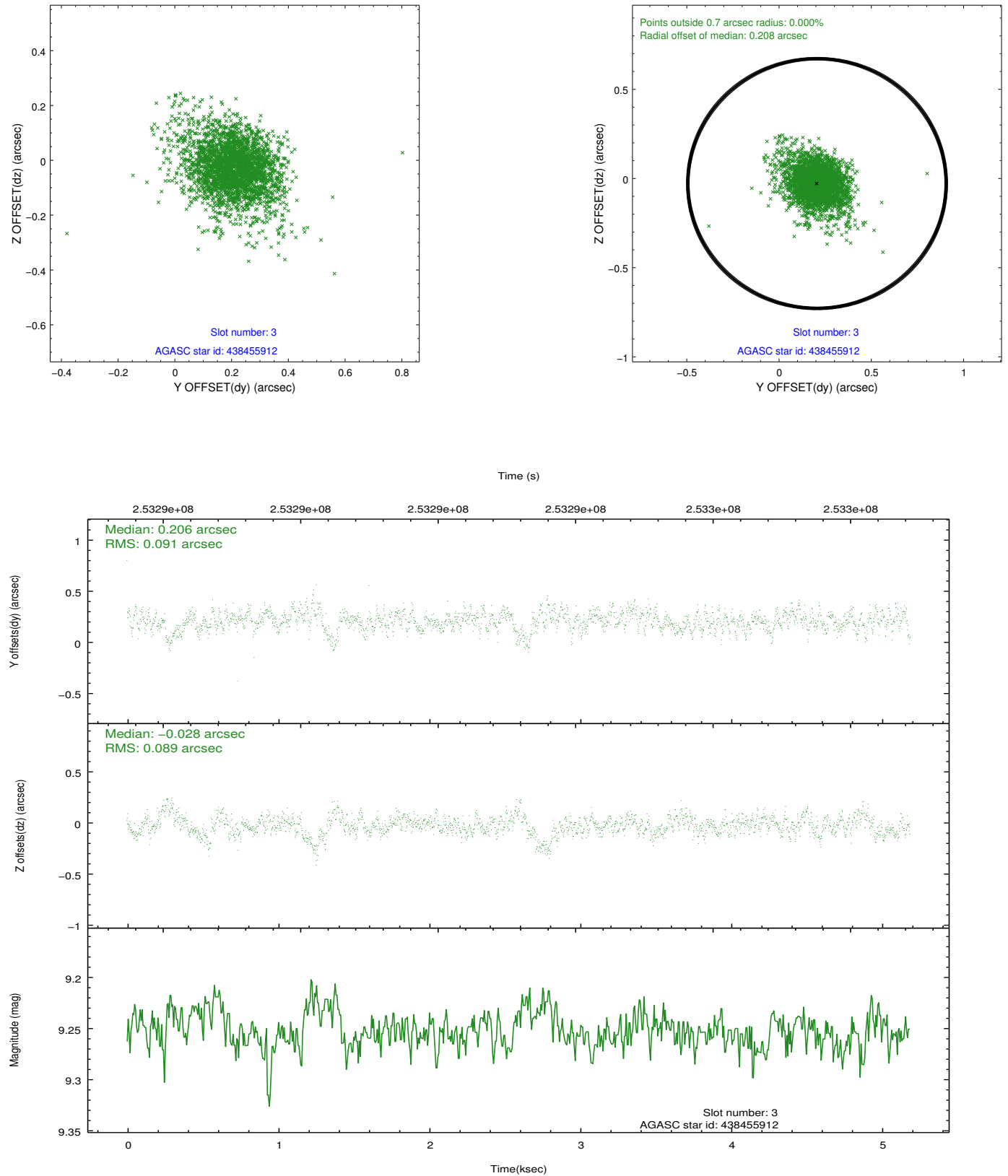


Slot Statistics

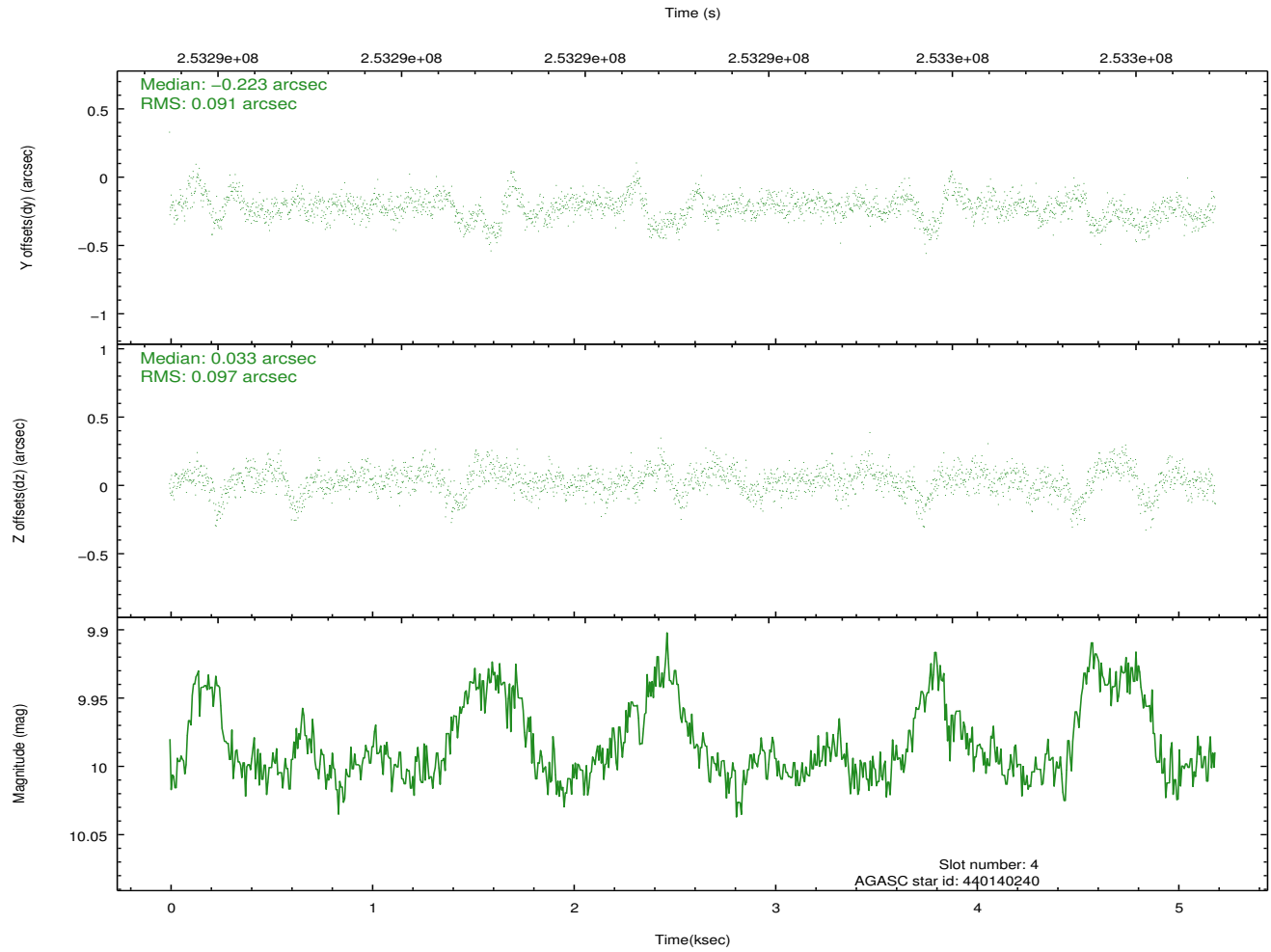
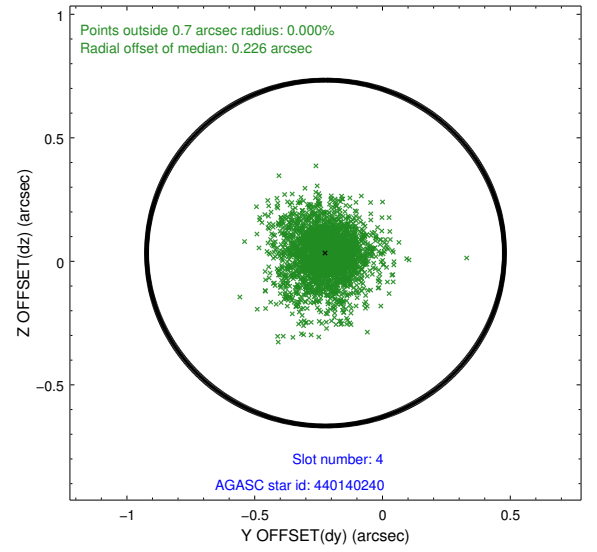
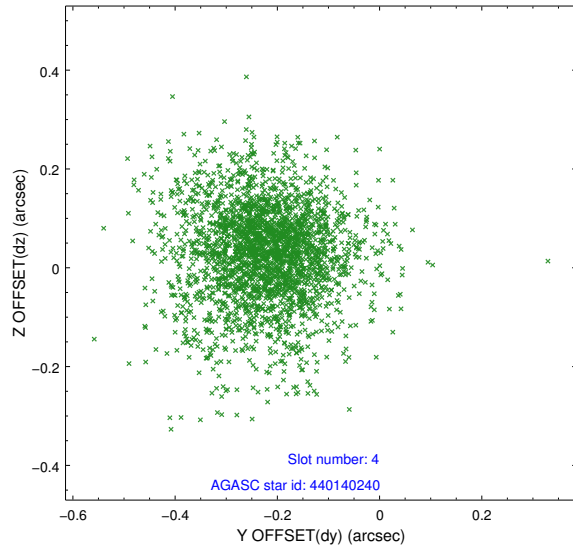
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.03	1266	-0.526	-0.467	0.007	0.011	0.000000	0.000000	-765.76	-130.41
1	FID	HRC-I-3	7.09	1266	0.269	-0.196	0.008	0.013	0.000000	0.000000	-1197.94	2179.26
2	FID	HRC-I-4	6.98	1266	0.373	0.567	0.006	0.011	0.000000	0.000000	1273.11	2180.30
3	GUIDE	438455912	9.25	2530	0.206	-0.028	0.127	0.230	78.251946	45.690923	2203.04	-1359.83
4	GUIDE	440140240	9.99	2531	-0.223	0.033	0.136	0.240	78.889349	46.726437	-1812.64	-1898.85
5	GUIDE	440150048	7.12	2532	-0.129	-0.058	0.081	0.131	79.112838	46.416060	-1141.56	-849.30
6	GUIDE	440163960	8.88	2529	0.015	-0.033	0.079	0.129	79.298370	45.827072	433.44	644.70
7	GUIDE	438460832	9.00	2530	0.137	0.097	0.103	0.168	78.414614	45.554782	2417.24	-757.49

2.4 Star Slots

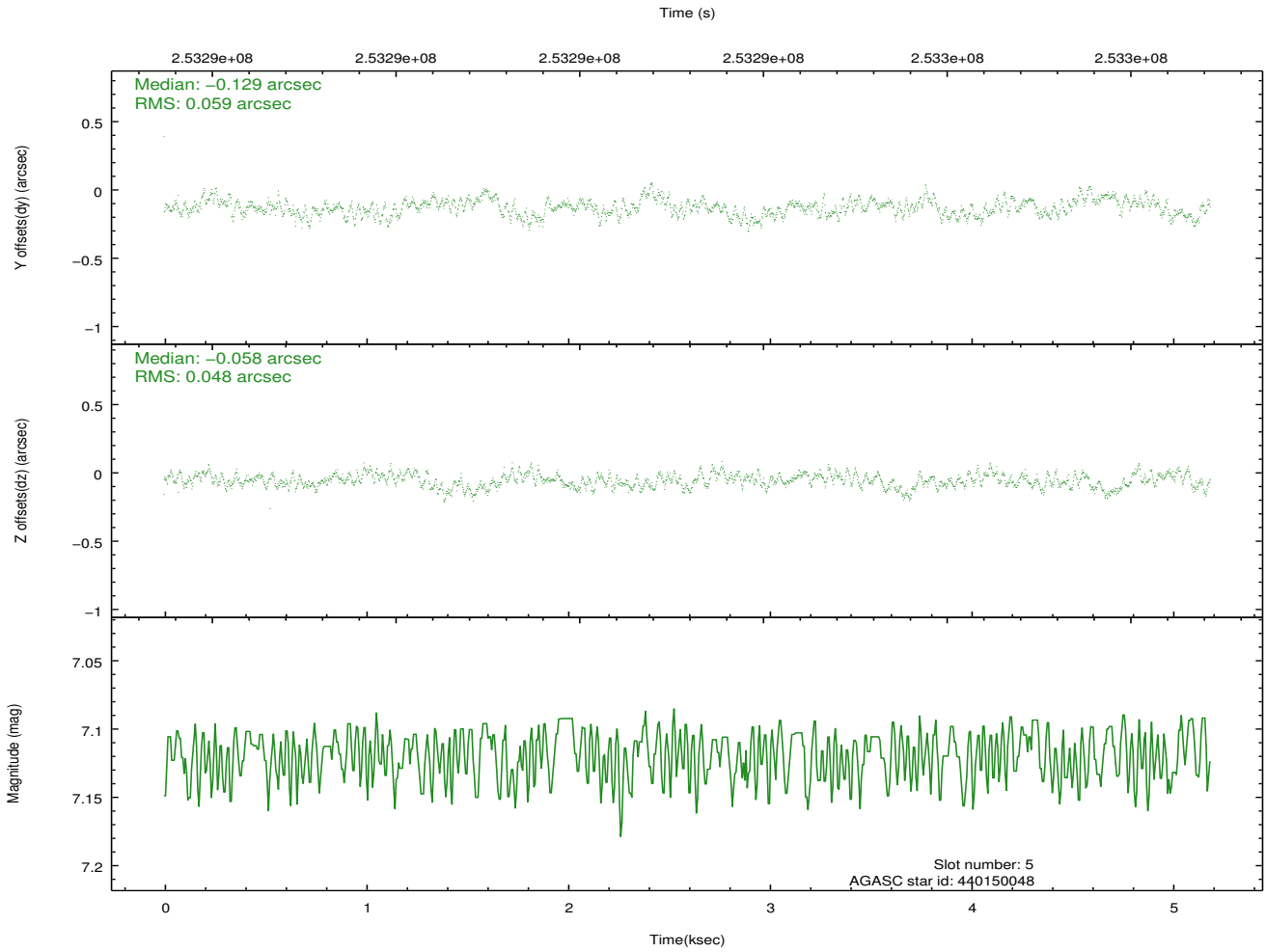
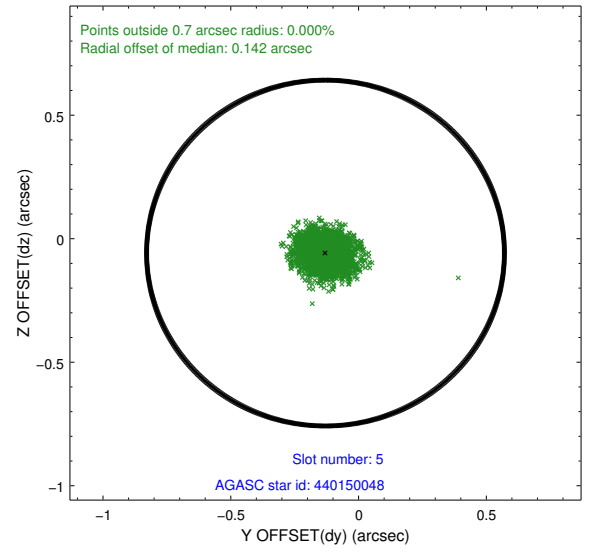
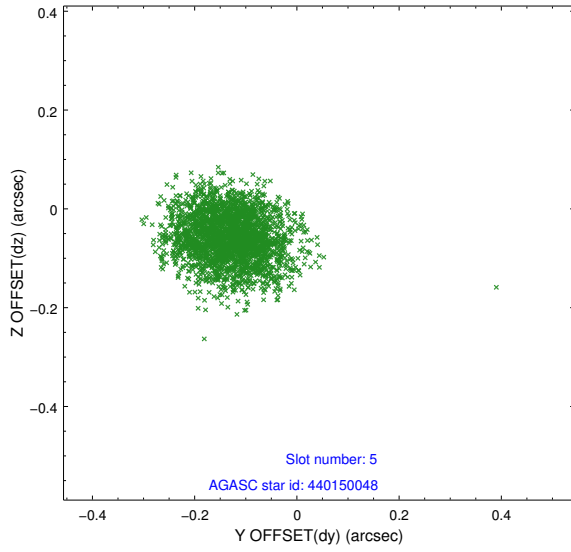
2.4.1 Slot 3



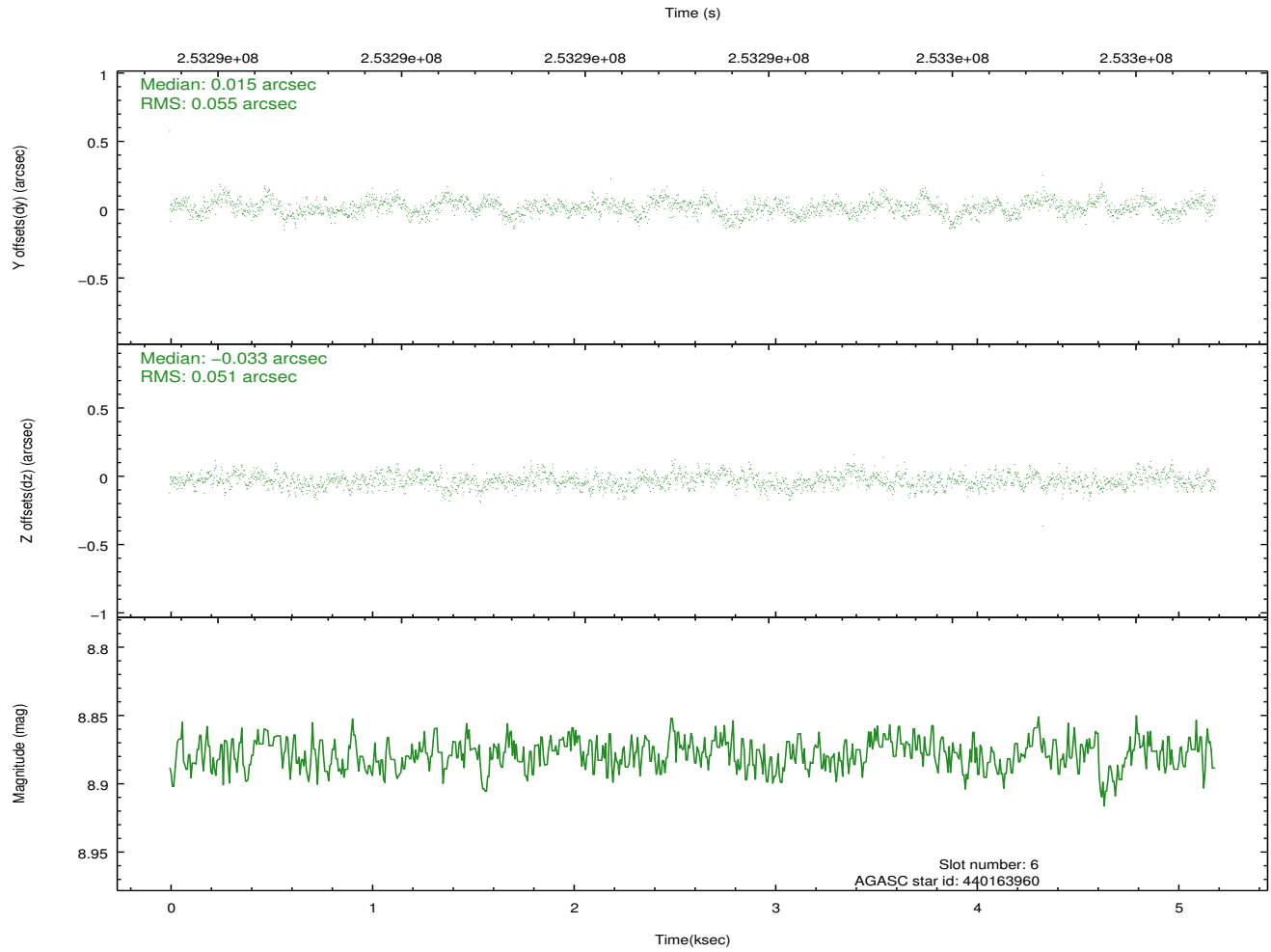
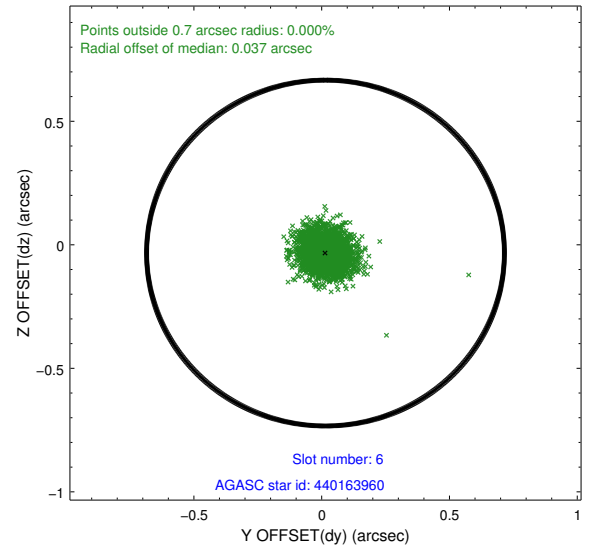
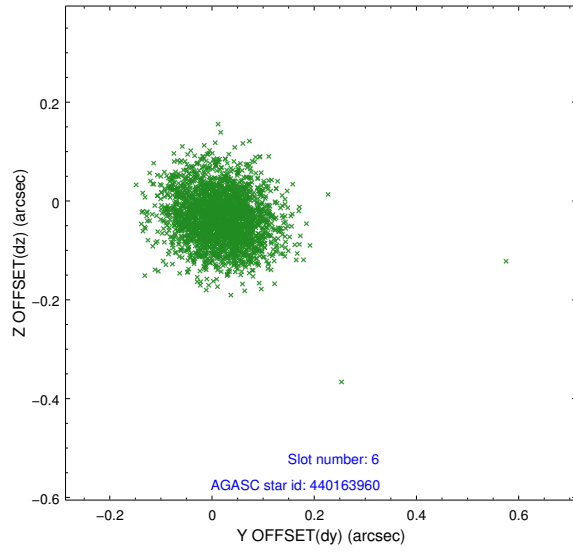
2.4.2 Slot 4



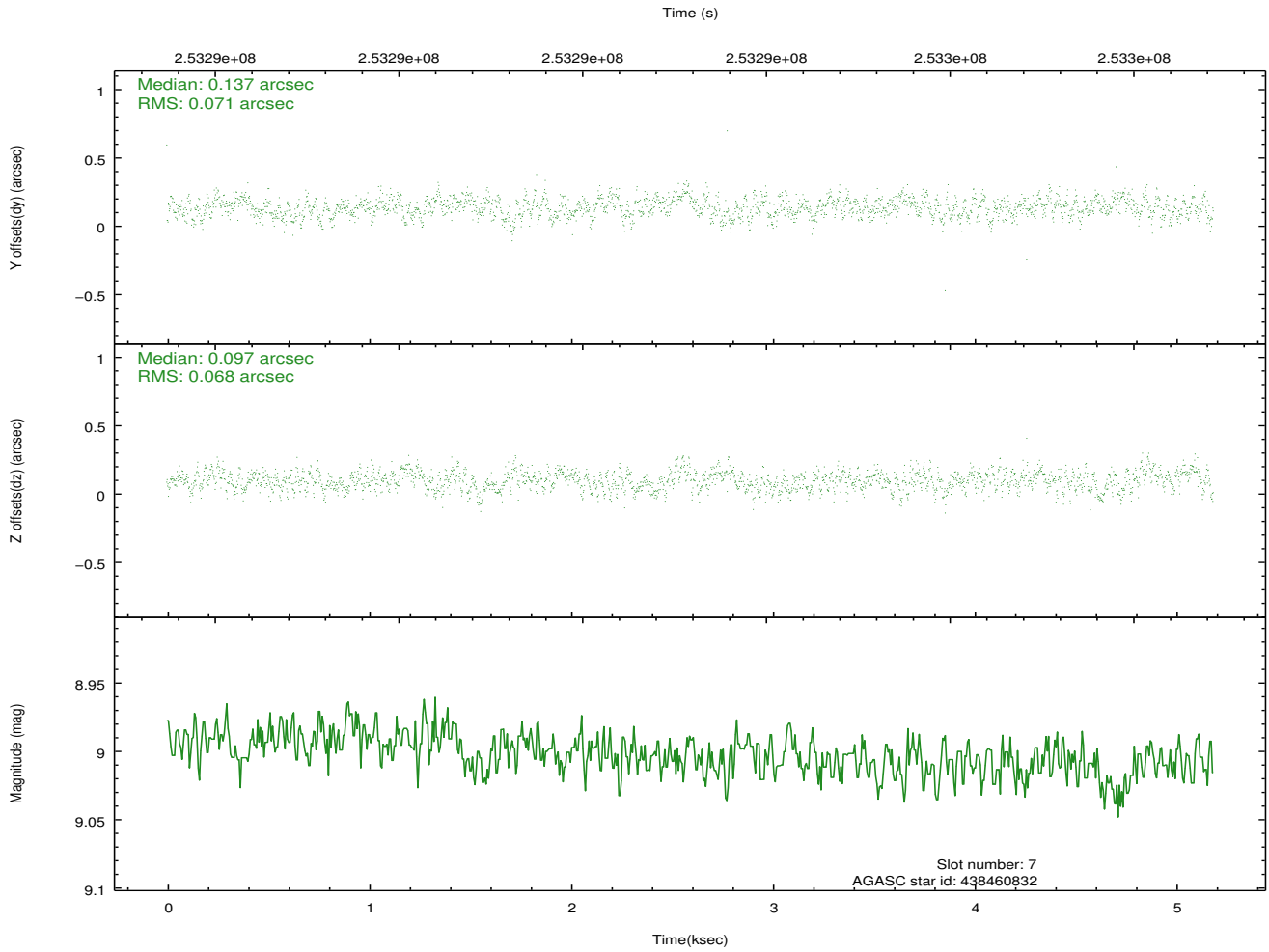
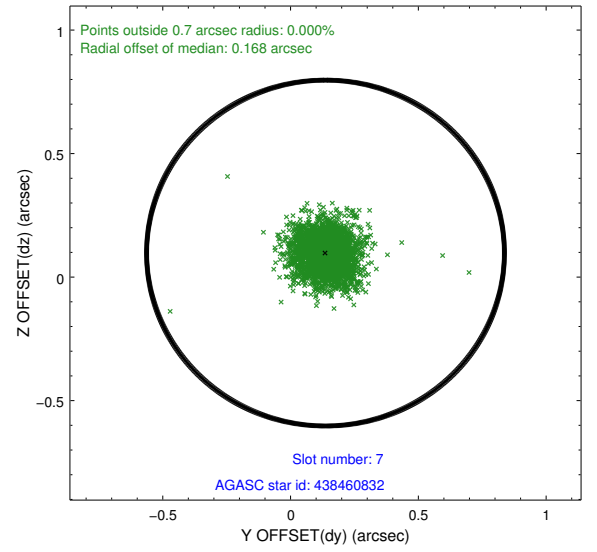
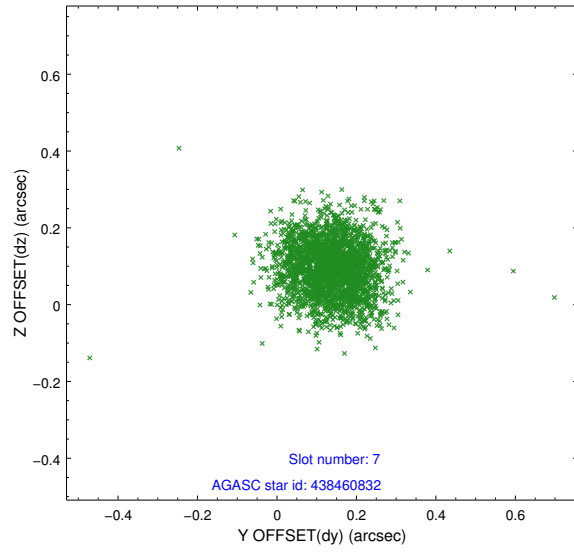
2.4.3 Slot 5



2.4.4 Slot 6

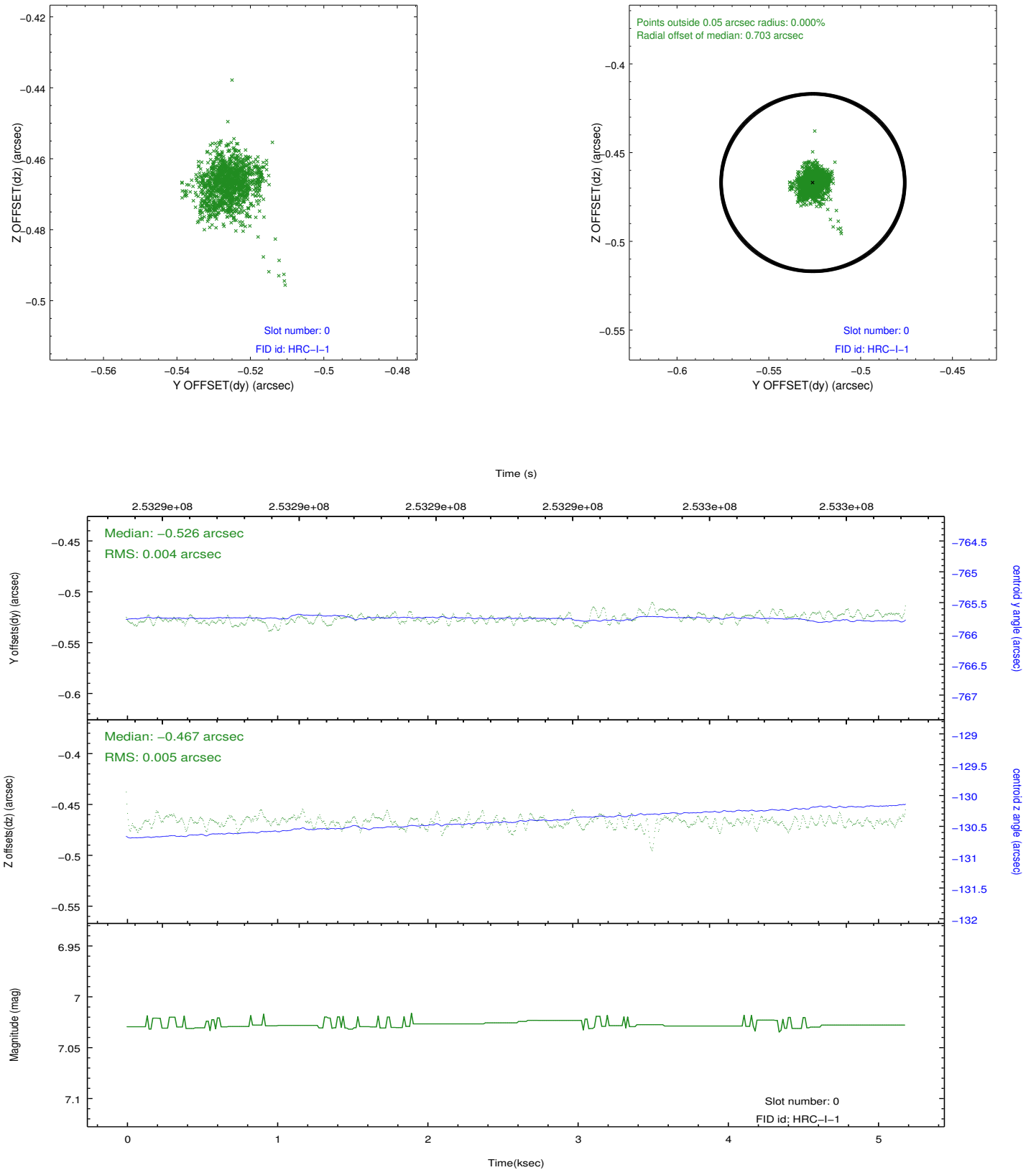


2.4.5 Slot 7

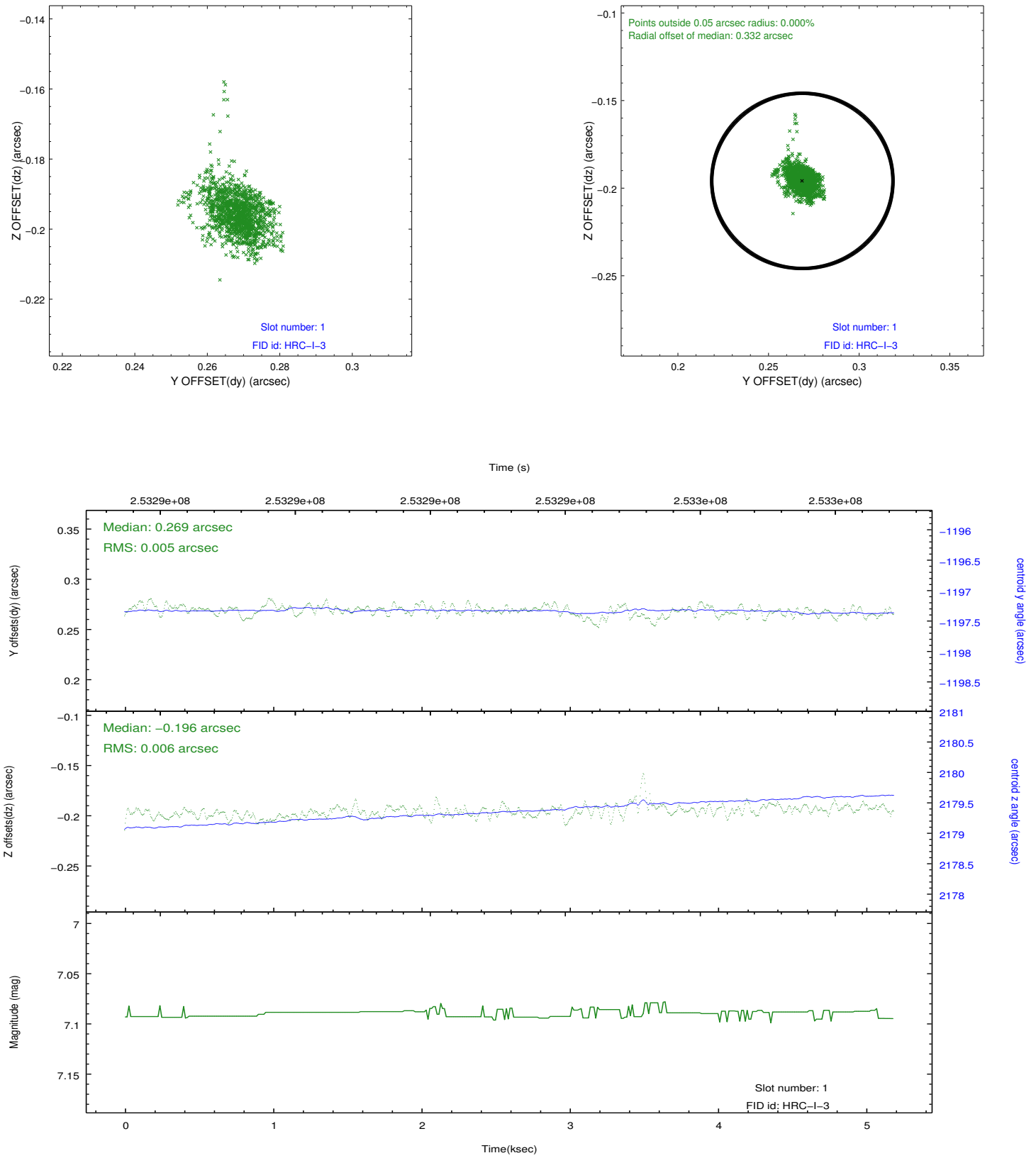


2.5 FID Slots

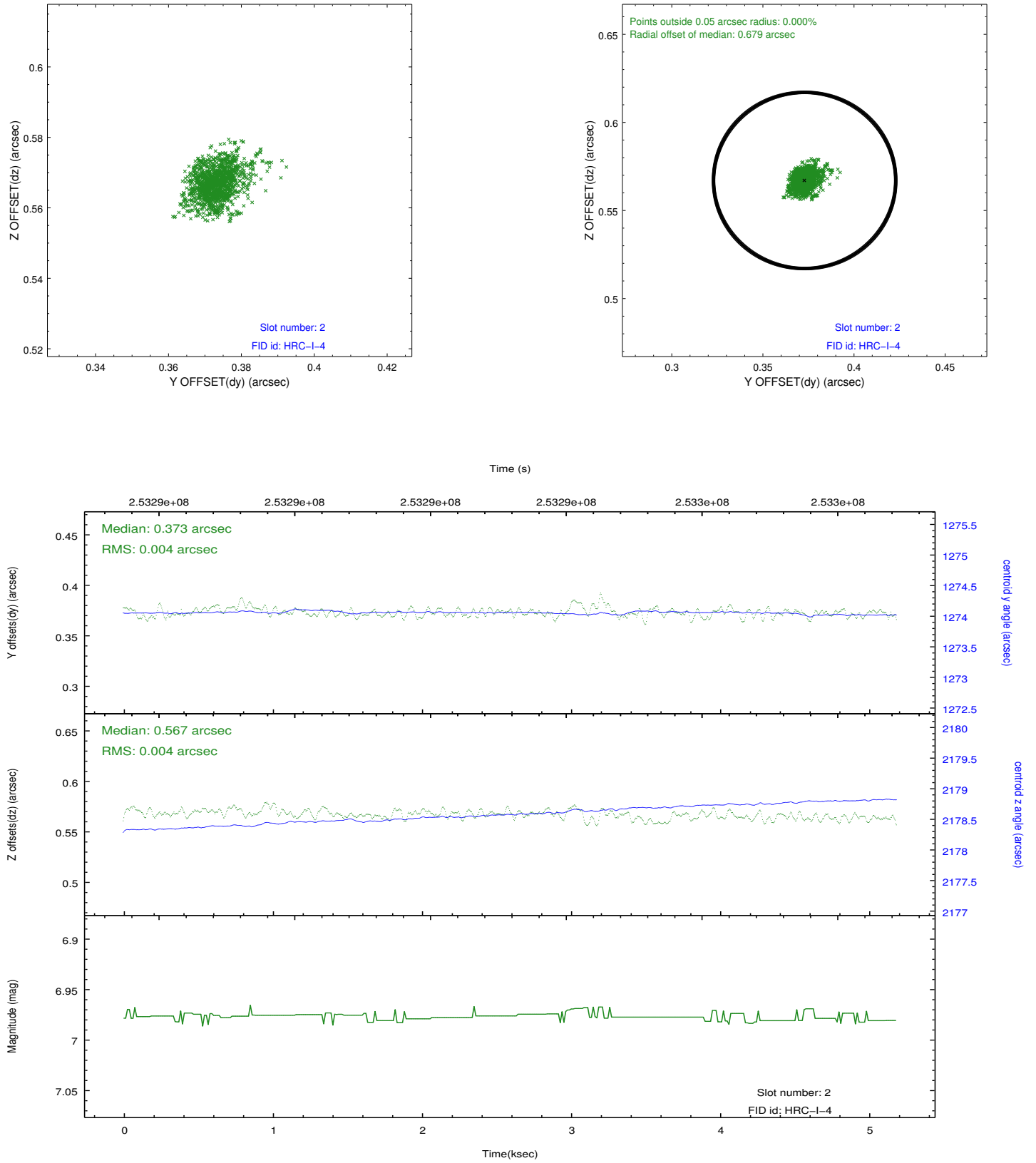
2.5.1 Slot 0



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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1877815

A.2 Comments

Large SIM offset selected for calibration purposes. The fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.