

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8281 - L2 Version 4
Chandra X-Ray Center

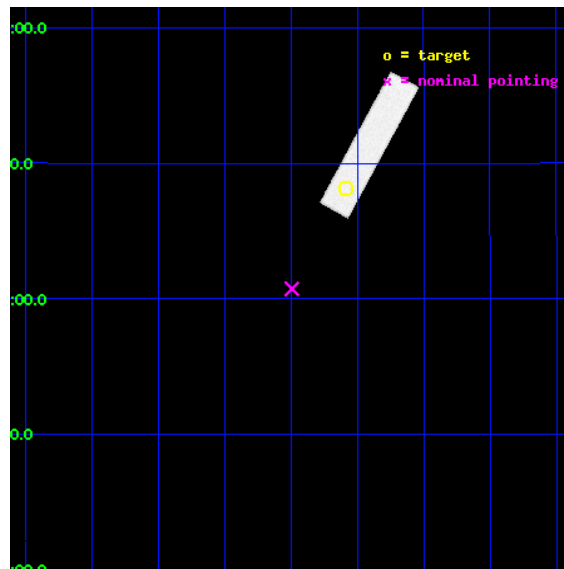
L2 Processing Date : Aug 11 2012

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1 Front

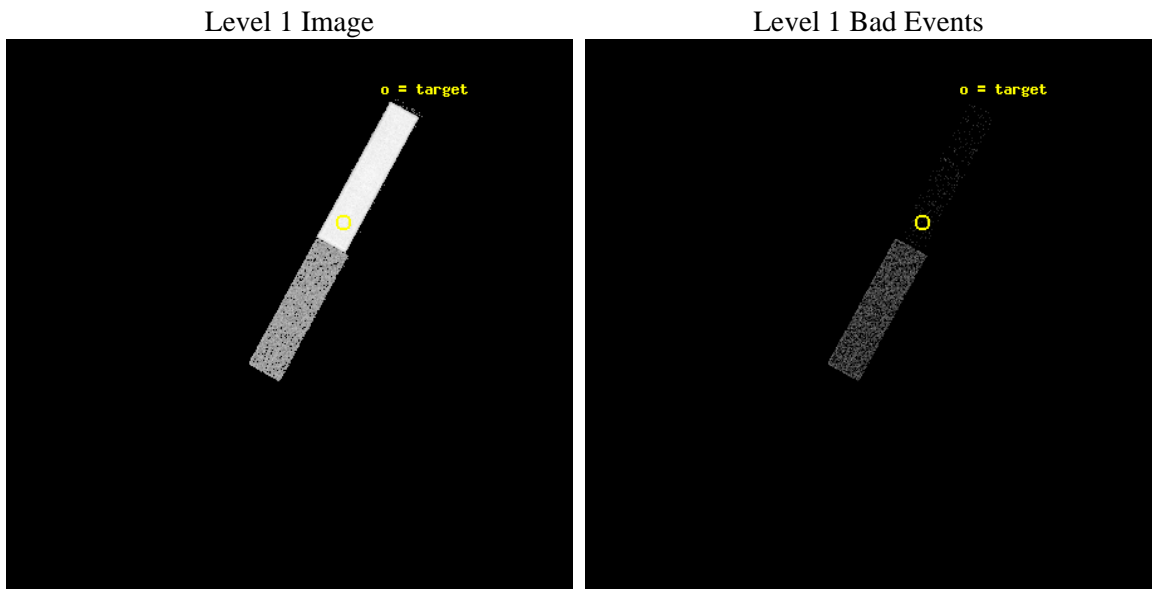
seq_num	290660	Sequence number
obs_id	8281	Observation id
title	AO8 Measurements of the optical/UV Transmission of the HRC Filters.	
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.996590211079	Nominal RA [deg]
dec_nom	7.0372390940762	Nominal Dec [deg]
roll_nom	298.73054842128	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2182.4813534617	[s]
livetime	2167.0517250244	Ontime multiplied by DTCOR
l2events	111281	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2182.4813534617	[s]
caldsver	4.5.1.1	 	l1events	209072	Number of level 1 events
date	2012-08-11T15:59:42	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

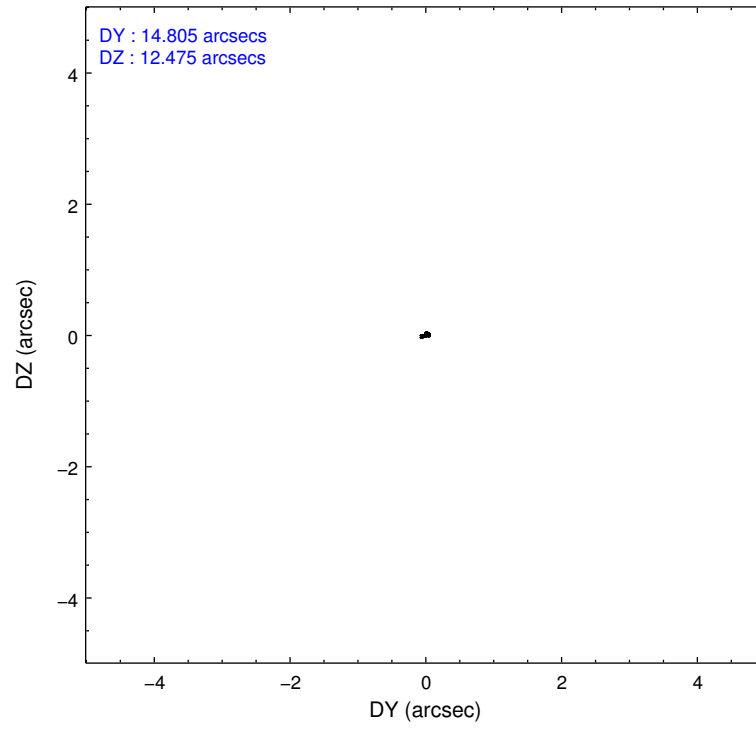
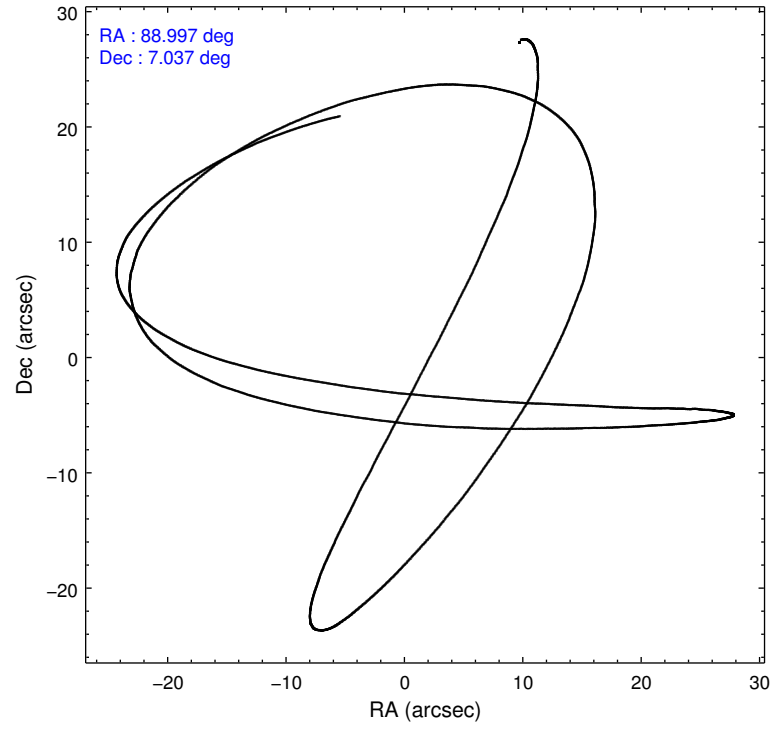
	segment 1	segment 2	segment 3
level 1 events	199278	9794	0
rejected events	58448	9727	0
rejected %	29%	99%	0%

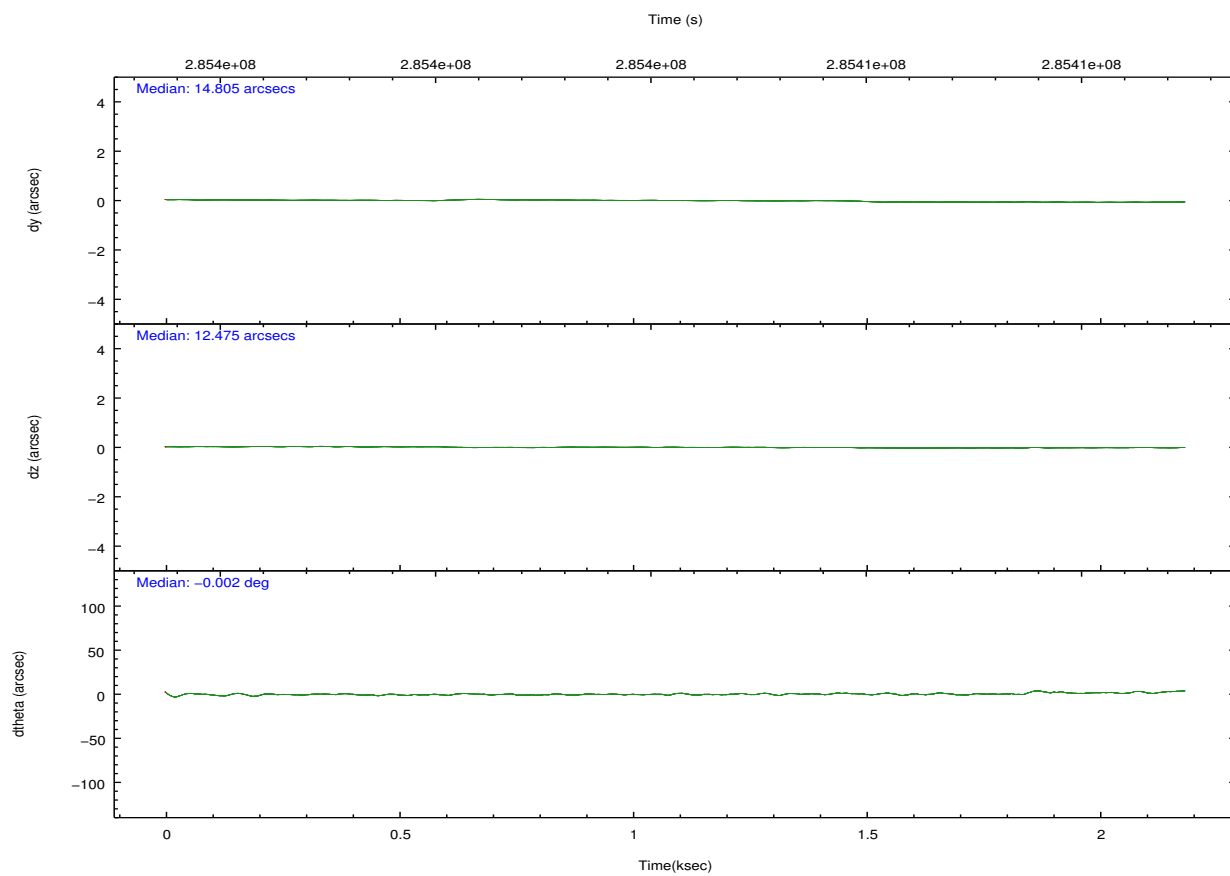
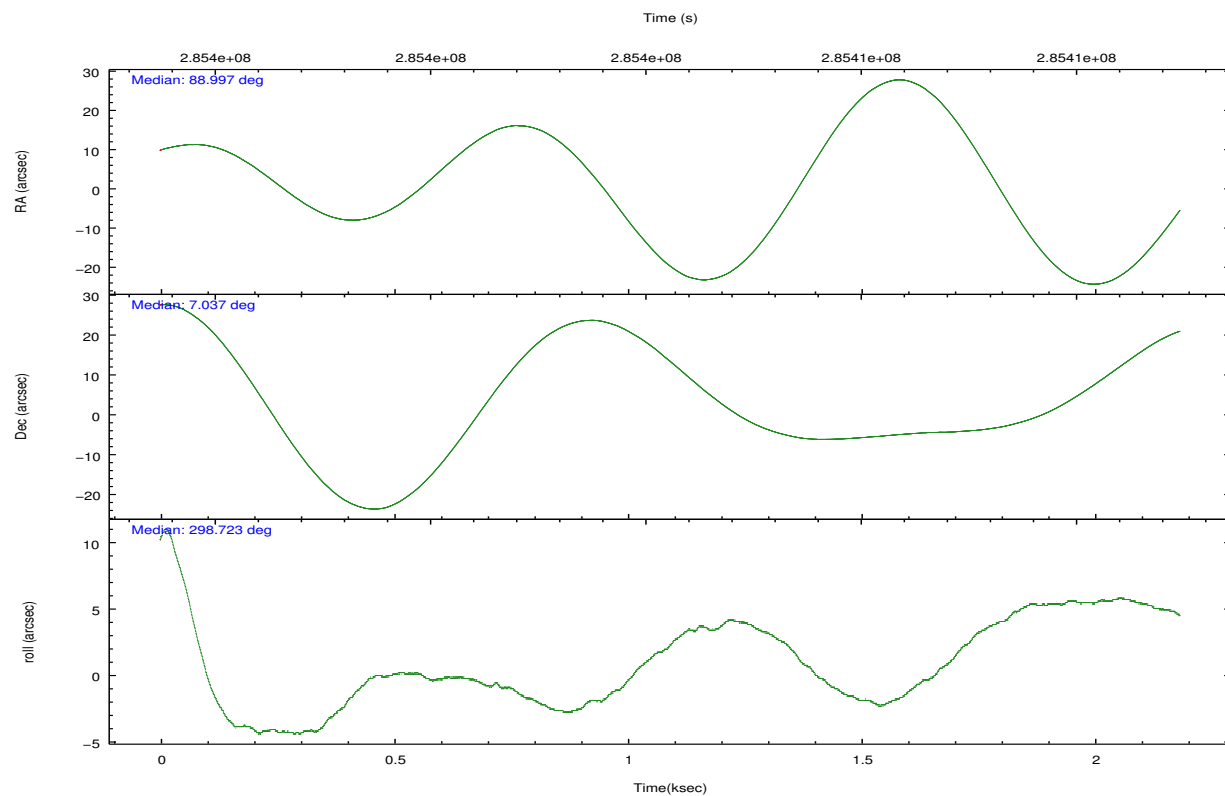
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	88.971264	88.99659021107918
[deg] Pointing Dec	7.050945	7.037239094076188
[deg] Pointing Roll	298.666309	298.7305484212767
[s] Window start time (MET)	281318465.184000	281318465.184000
[s] Window stop time (MET)	289008065.184000	289008065.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	285404148.184000	285403202.47173
Observation start date	2007-01-17T06:54:43	2007-01-17T06:40:02
[s] Observation end time (MET)	285406148.184000	285406953.9719
Observation end date	2007-01-17T07:28:03	2007-01-17T07:42:33

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



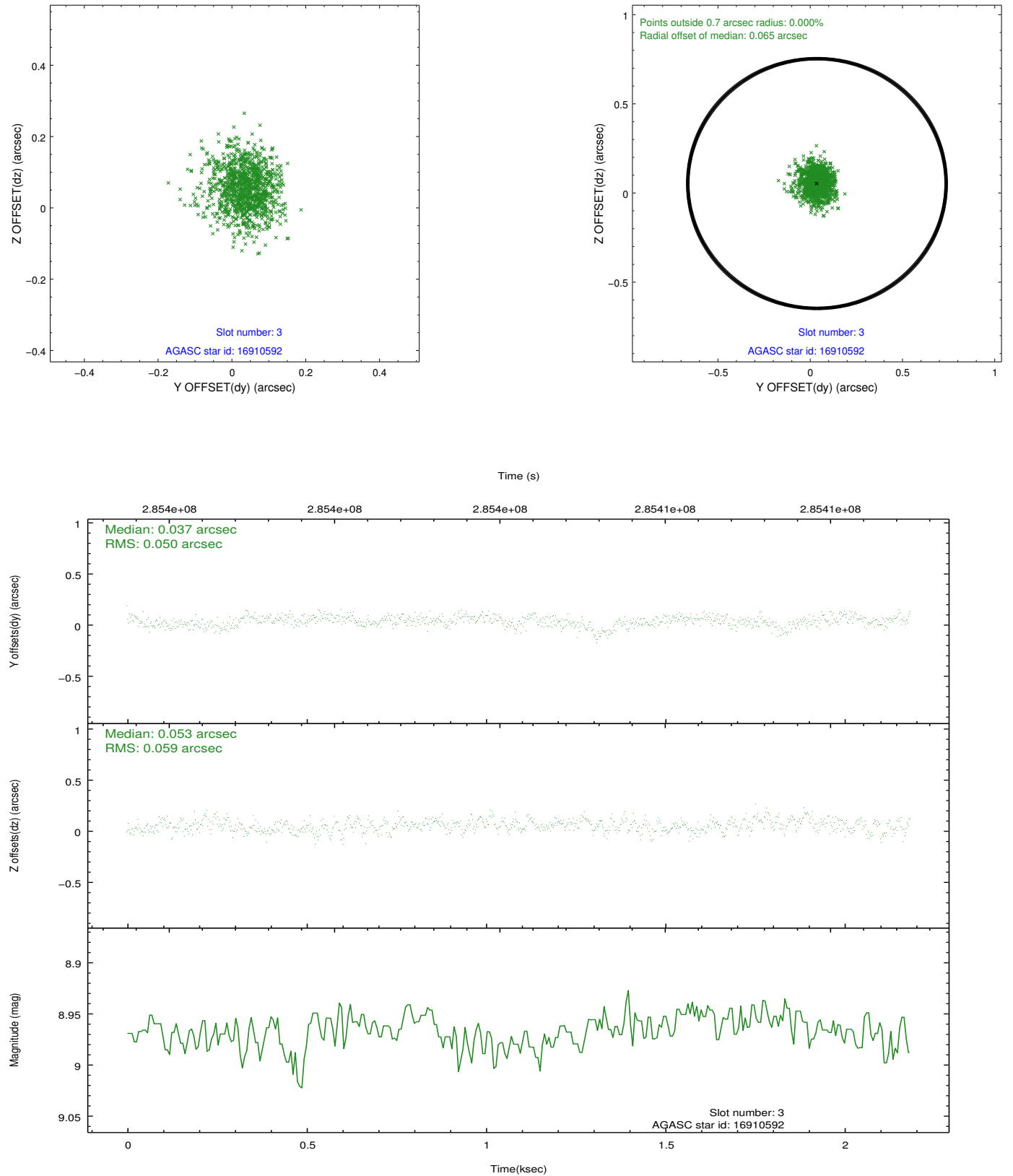


Slot Statistics

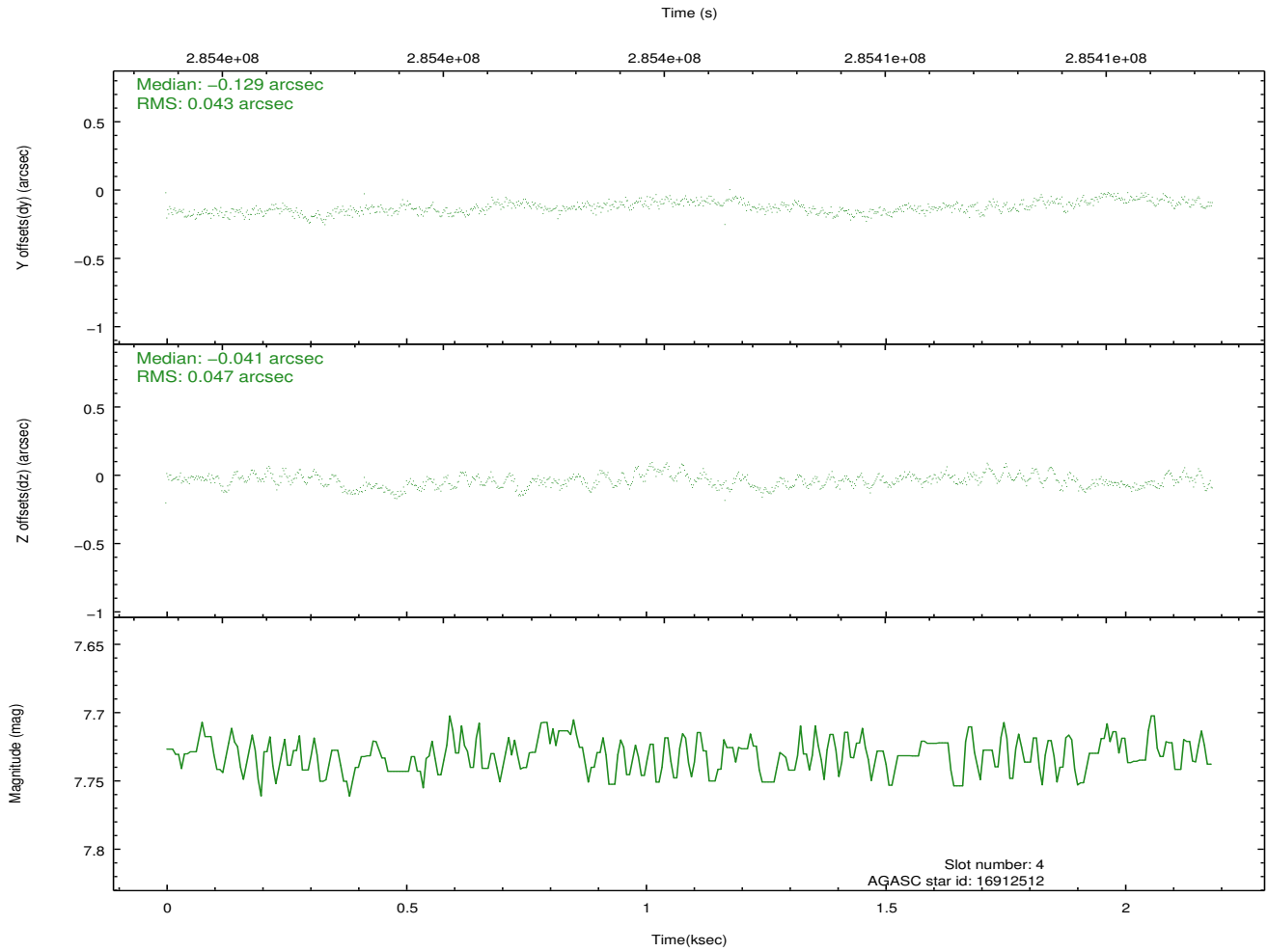
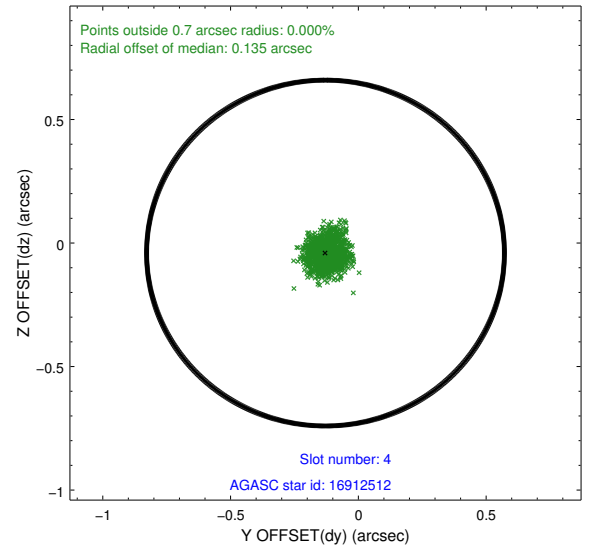
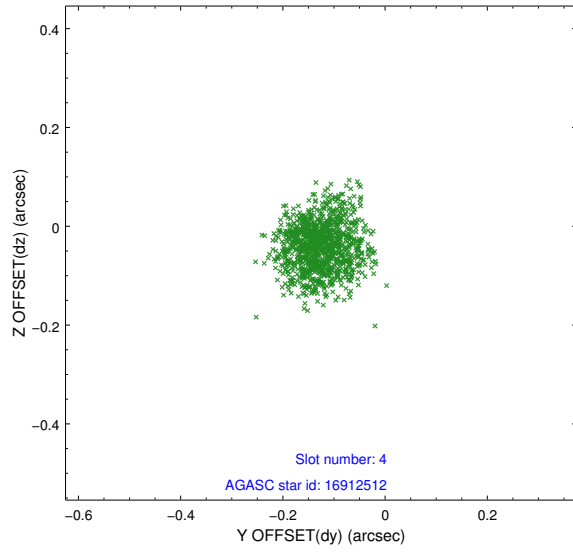
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.04	533	0.146	-0.095	0.009	0.027	0.000000	0.000000	1230.52	-453.85
1	FID	HRC-S-3	7.05	533	0.065	-0.094	0.007	0.013	0.000000	0.000000	-1169.61	567.51
2	FID	HRC-S-4	7.03	533	0.195	-0.107	0.011	0.030	0.000000	0.000000	1226.98	571.91
3	GUIDE	16910592	8.97	1066	0.037	0.053	0.082	0.137	88.532936	6.726769	272.32	-1933.76
4	GUIDE	16912512	7.73	1066	-0.129	-0.041	0.069	0.106	88.651510	7.129862	-796.87	-867.01
5	GUIDE	16913360	8.35	1066	-0.002	-0.028	0.068	0.108	89.178373	7.247125	-265.44	987.66
6	GUIDE	16918912	8.65	1066	0.033	-0.014	0.085	0.138	89.257075	6.922287	896.27	675.89
7	GUIDE	16917248	8.71	1064	0.060	0.044	0.071	0.117	89.306967	6.774731	1449.07	577.76

2.4 Star Slots

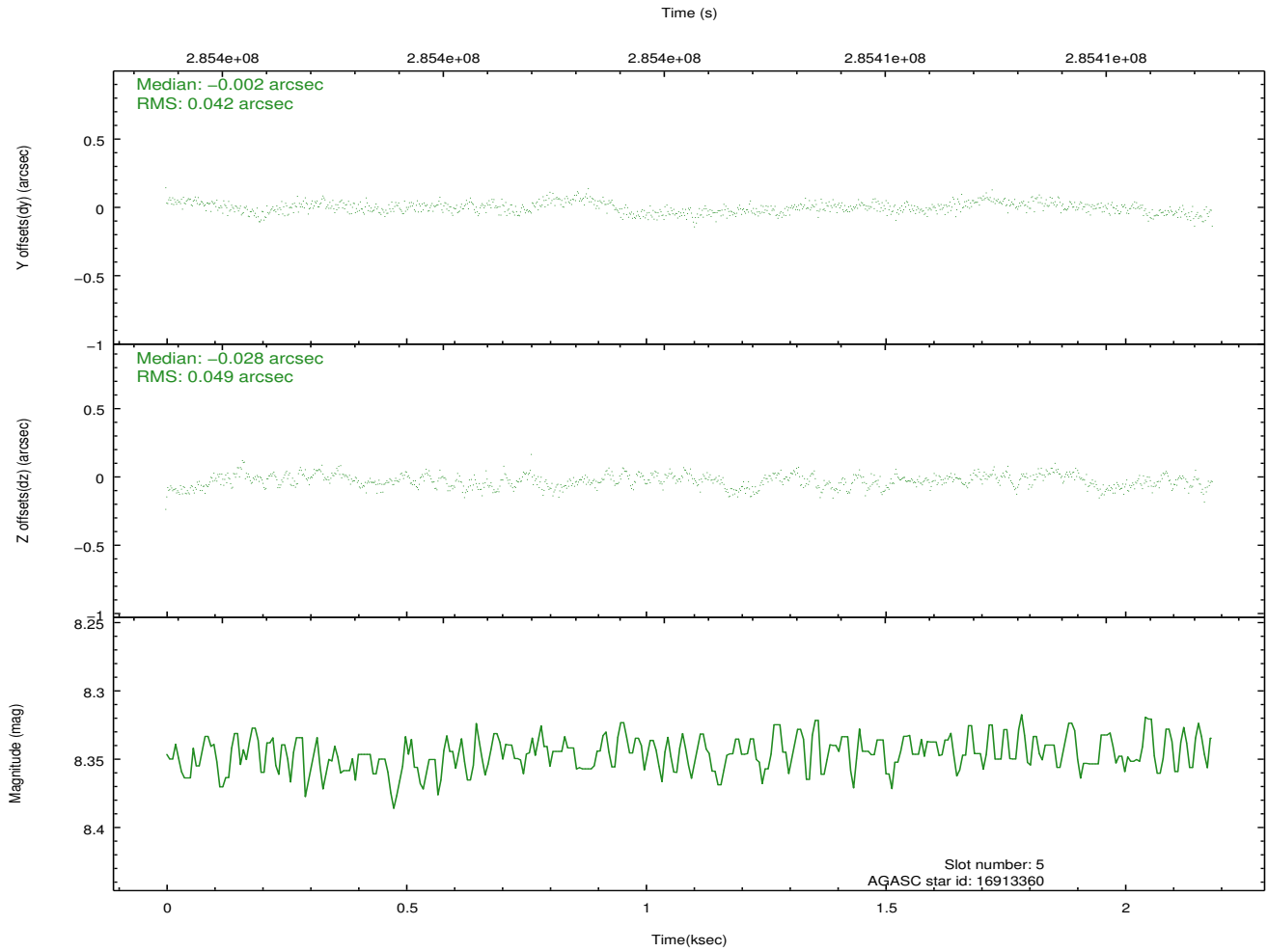
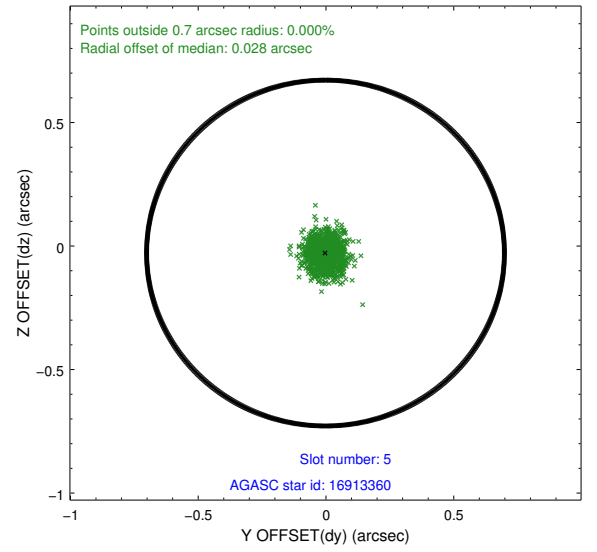
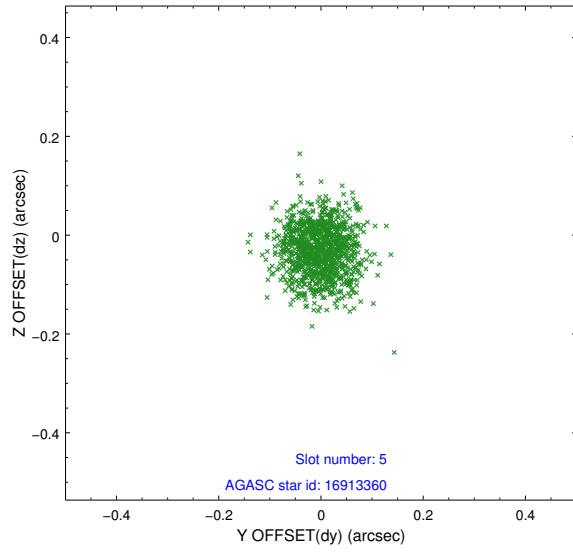
2.4.1 Slot 3



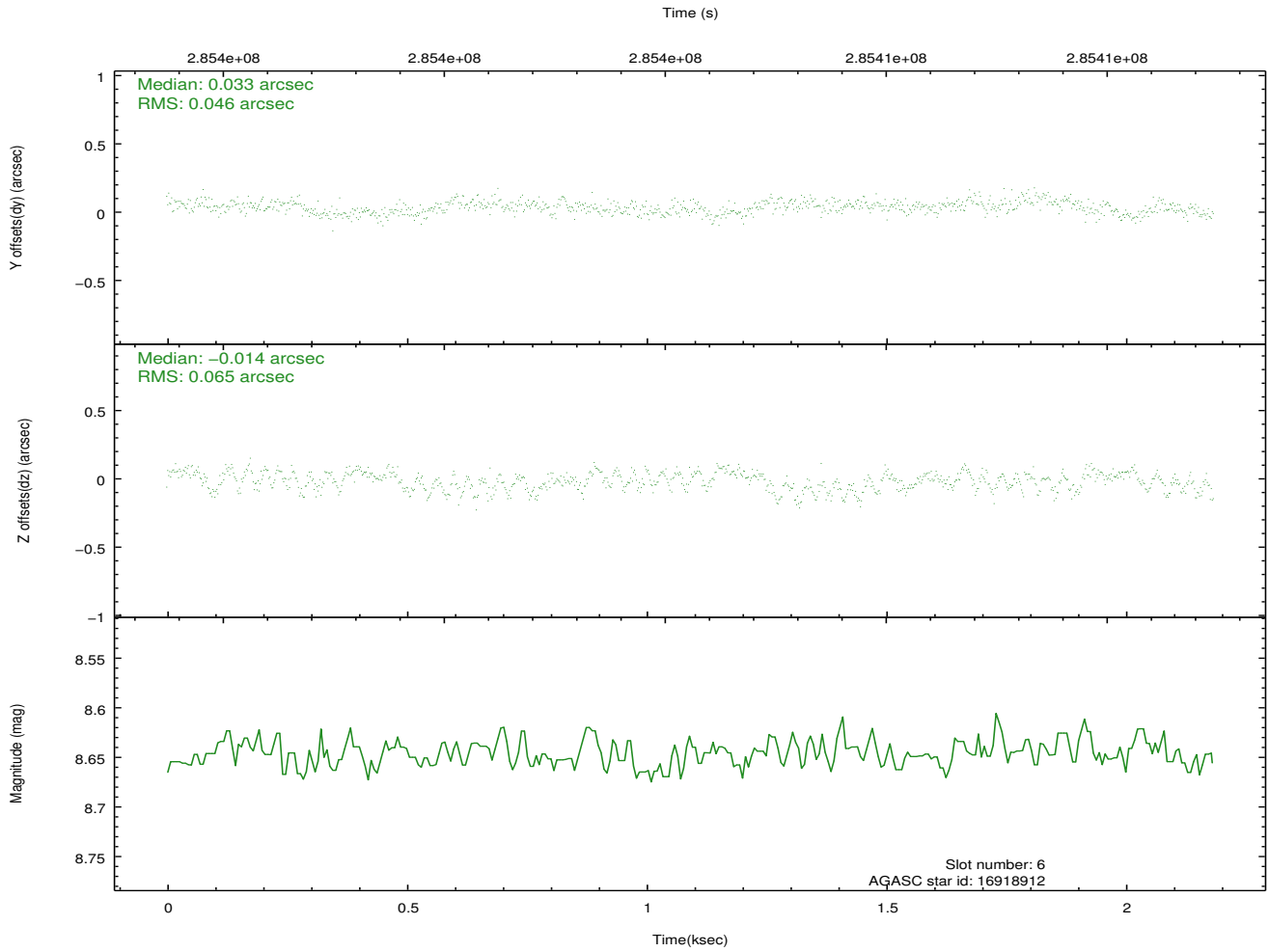
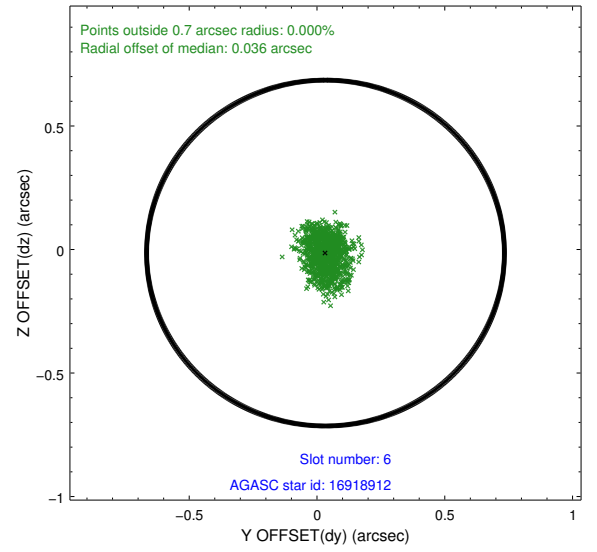
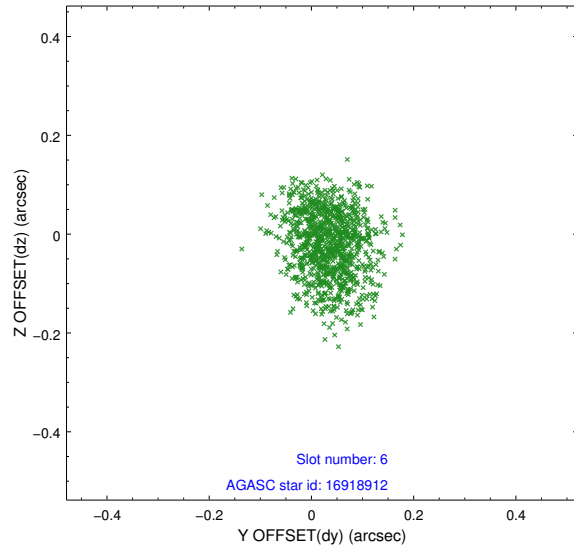
2.4.2 Slot 4



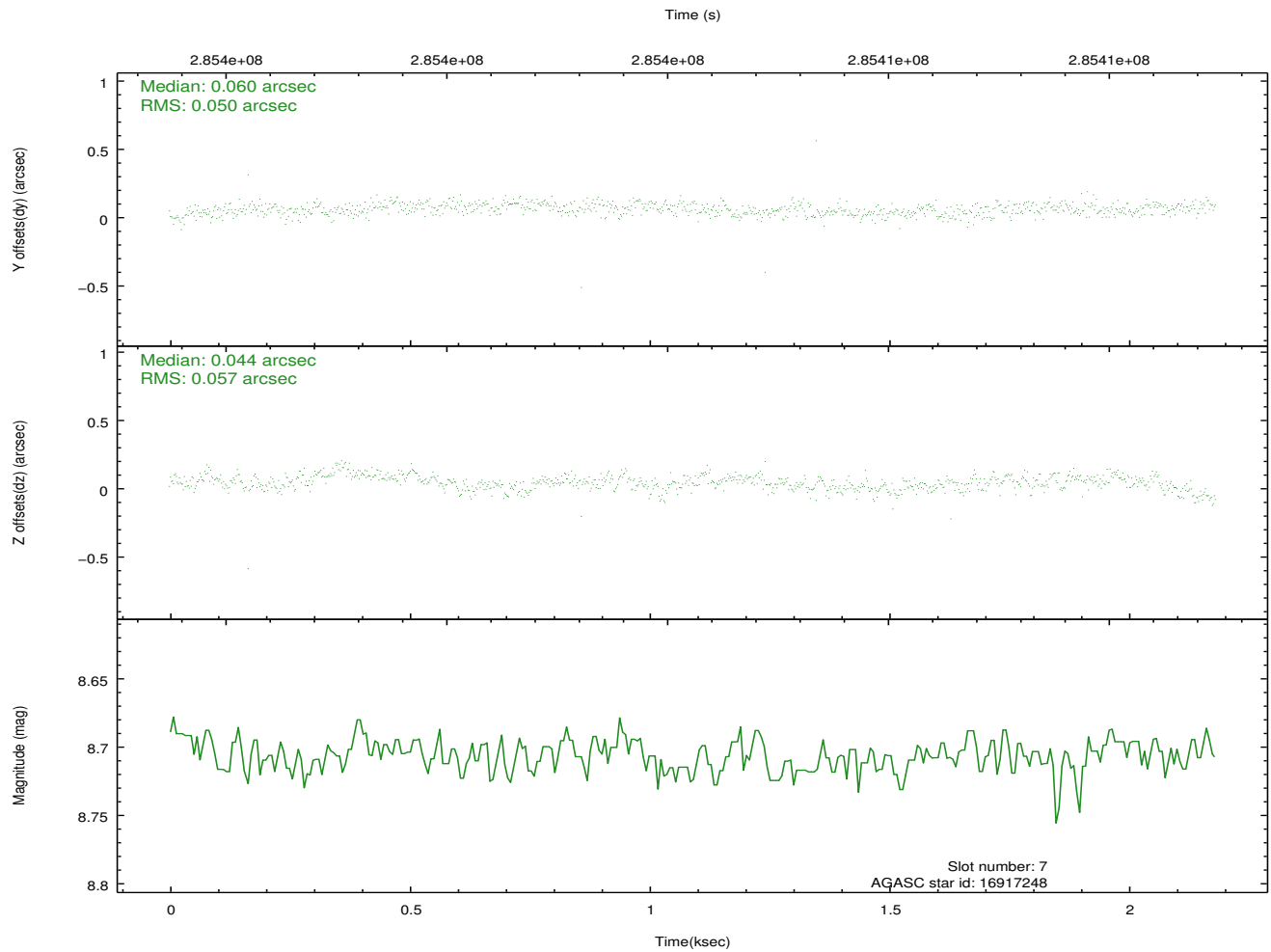
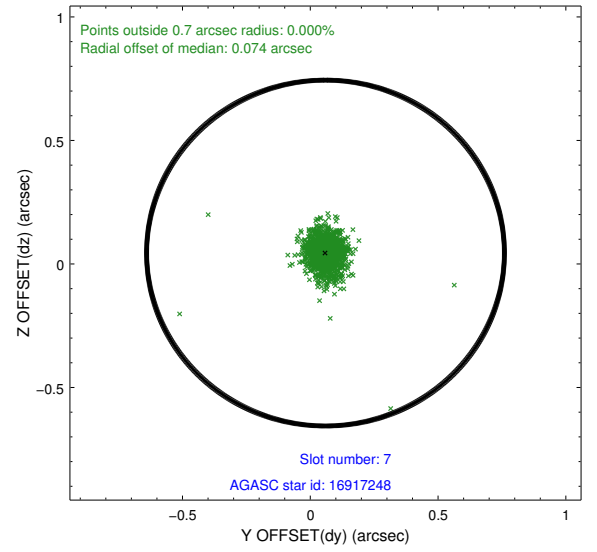
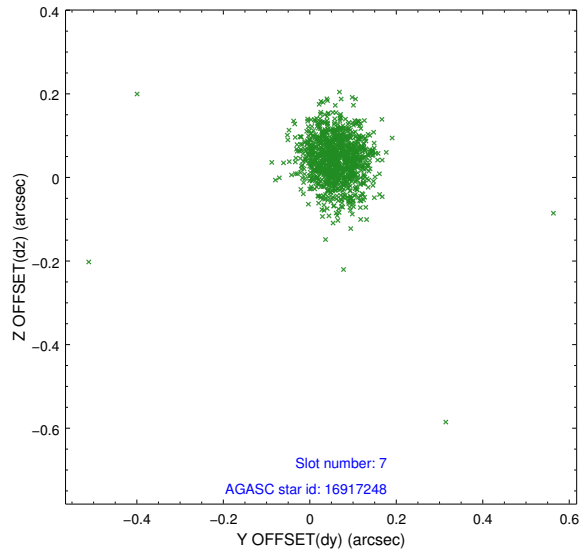
2.4.3 Slot 5



2.4.4 Slot 6

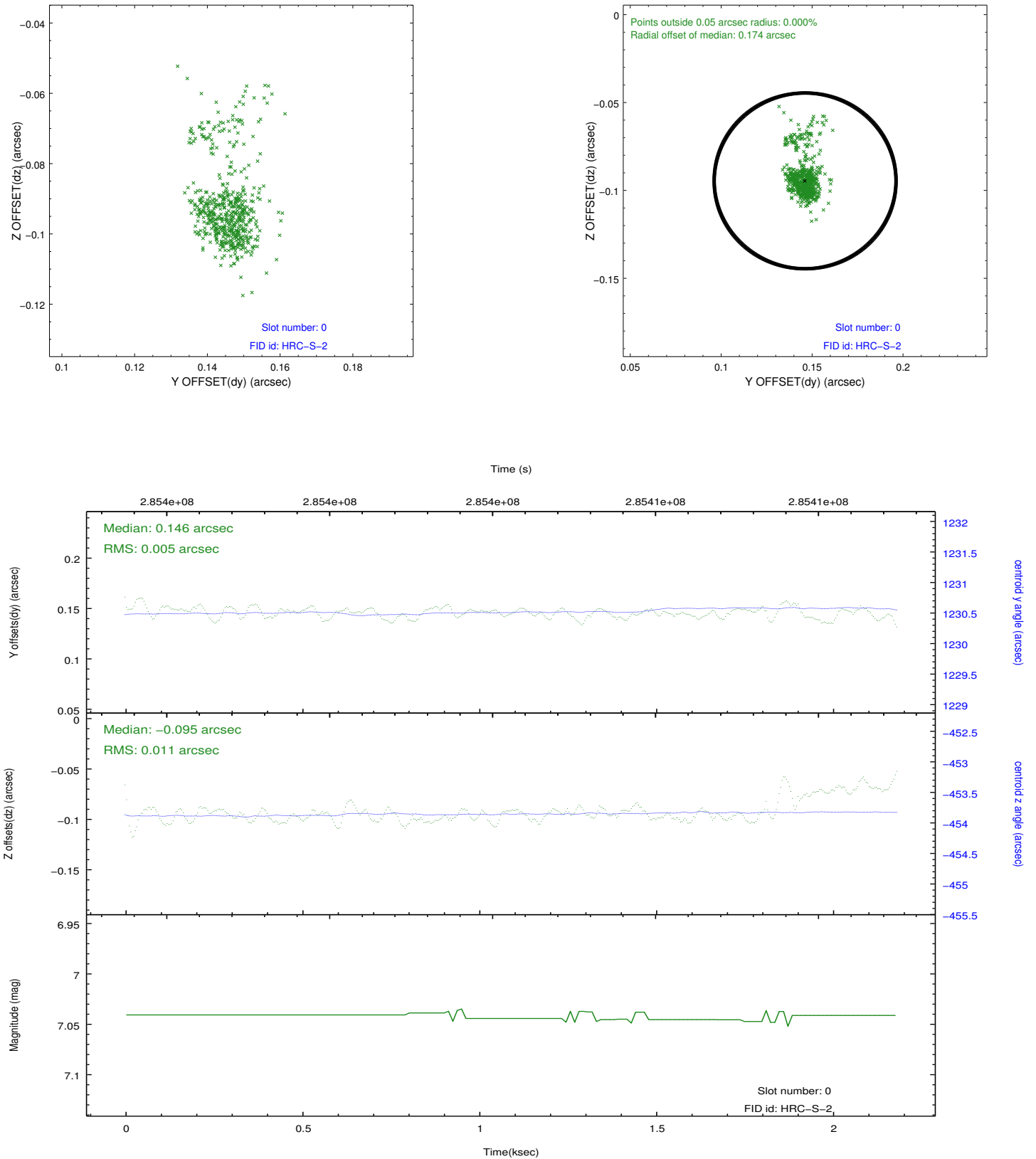


2.4.5 Slot 7

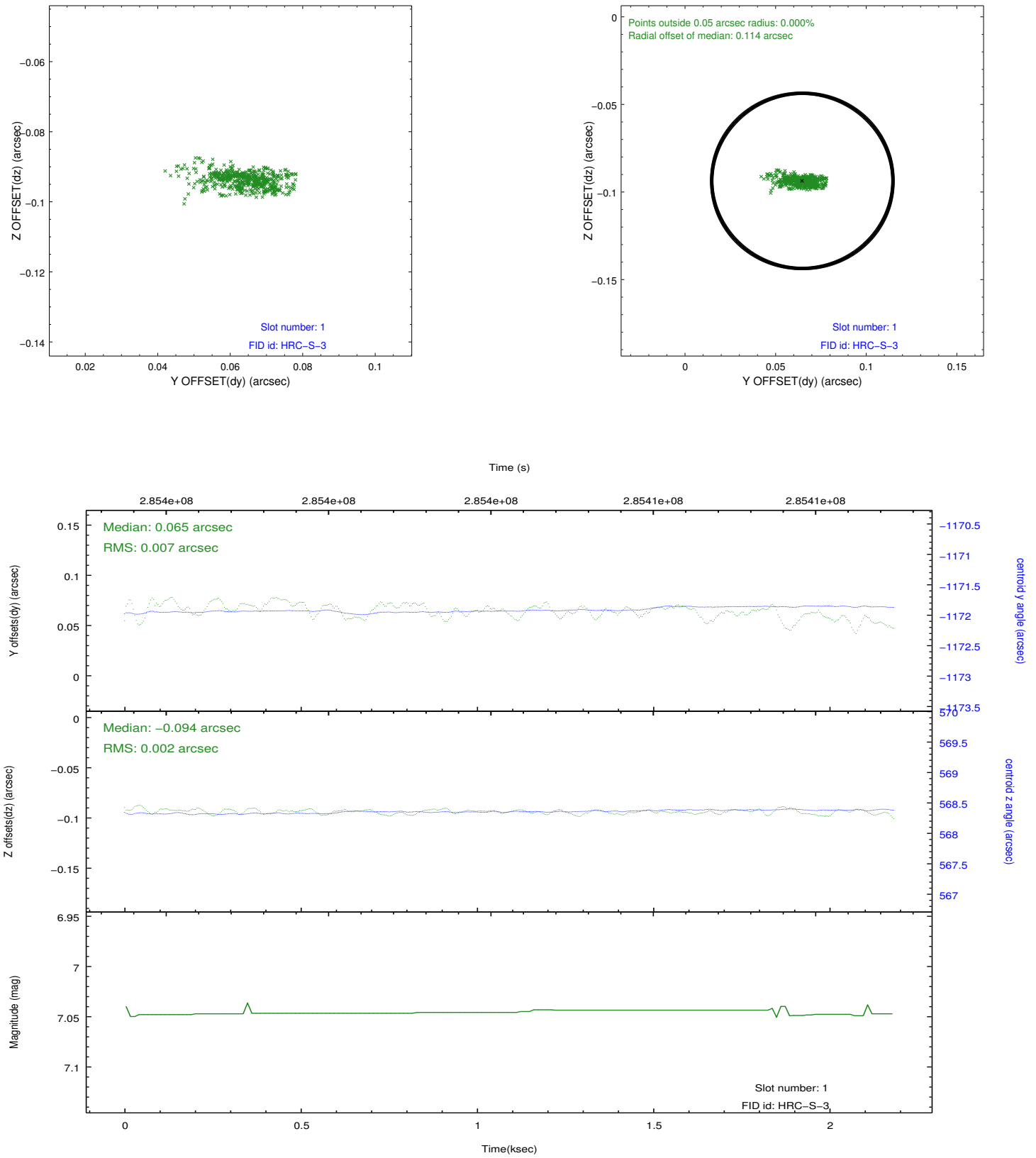


2.5 FID Slots

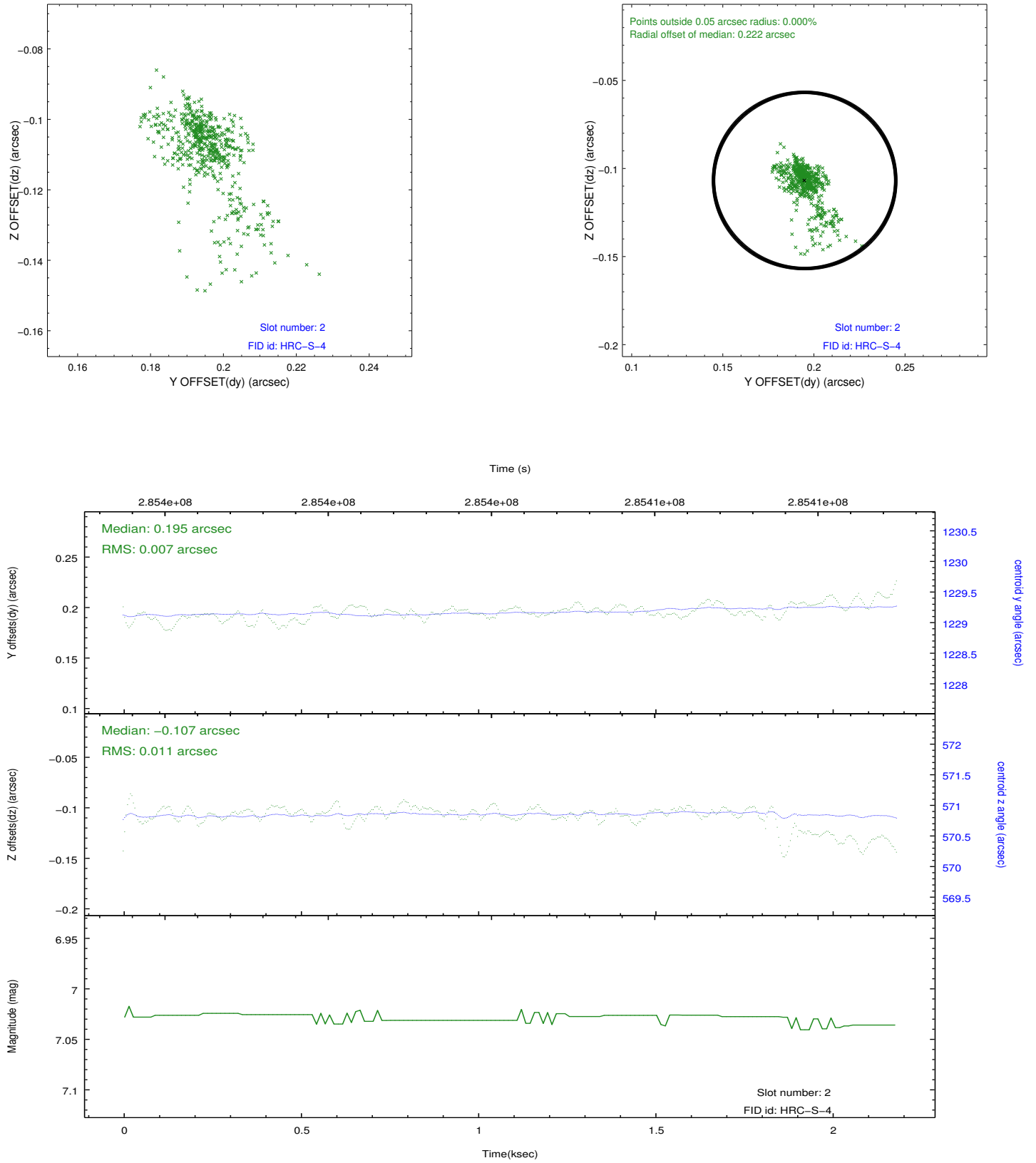
2.5.1 Slot 0



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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18248135

A.2 Comments

Window constraint met. The target and chip are offset from the aim point.