

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4314 - L2 Version 3
Chandra X-Ray Center

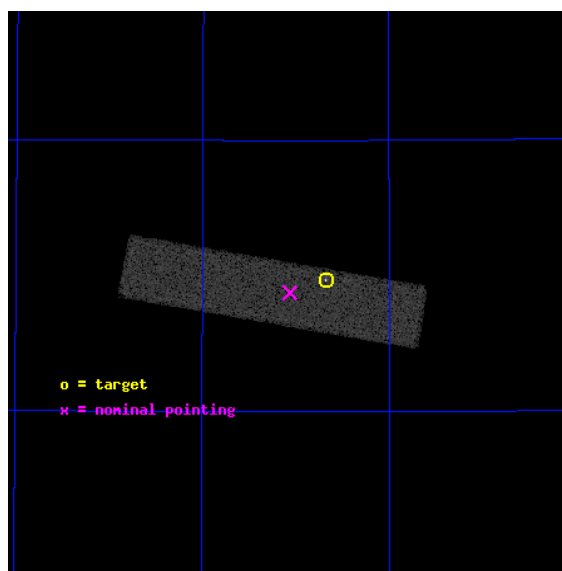
L2 Processing Date : Nov 2 2012

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1 Front

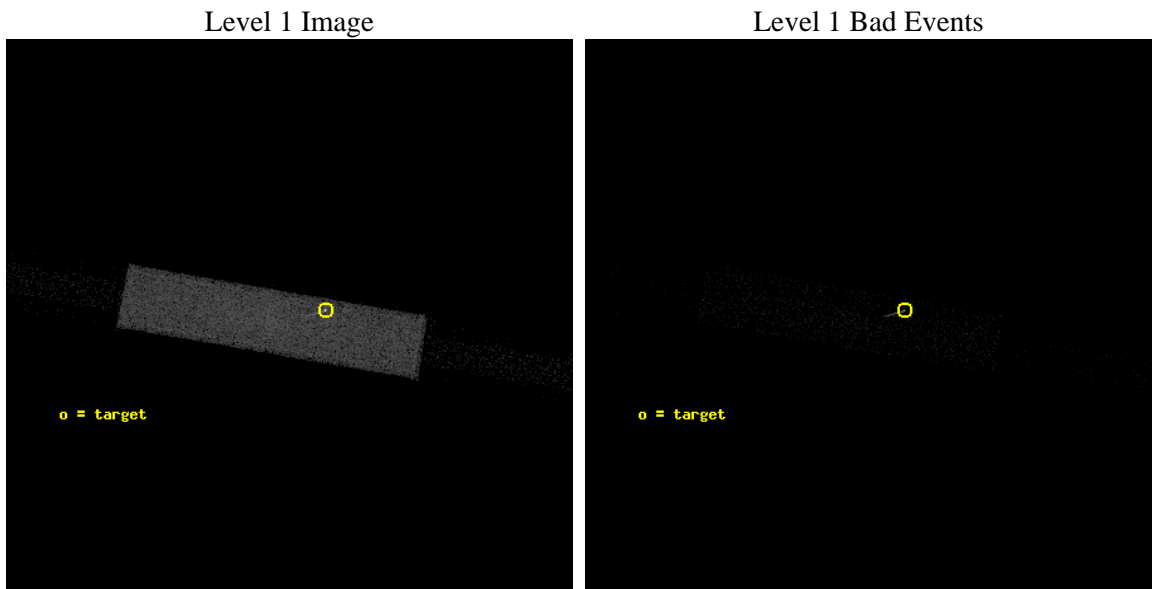
seq_num	290274	Sequence number
obs_id	4314	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.26596120075	Nominal RA [deg]
dec_nom	45.71924235658	Nominal Dec [deg]
roll_nom	189.65557344699	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1139.0312987268	[s]
livetime	1133.3893862455	Ontime multiplied by DTCOR
l2events	39061	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1139.0312987268	[s]
caldsver	4.5.2	 	l1events	65060	Number of level 1 events
date	2012-11-02T16:32:21	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

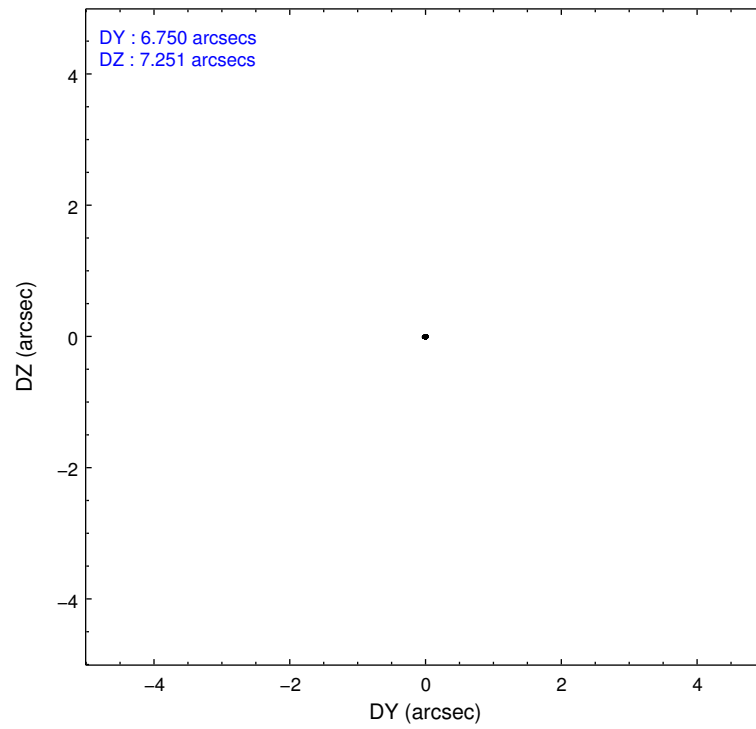
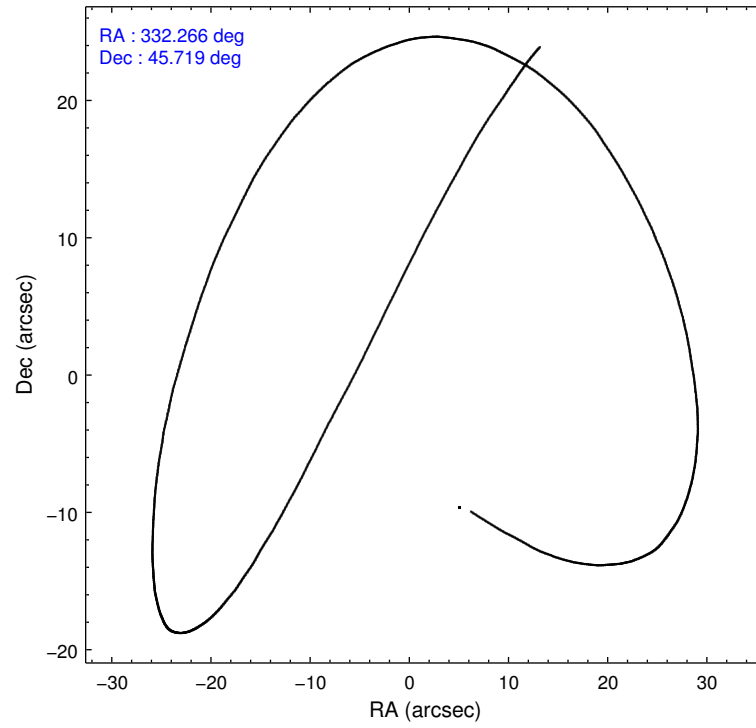
Level 1 Events

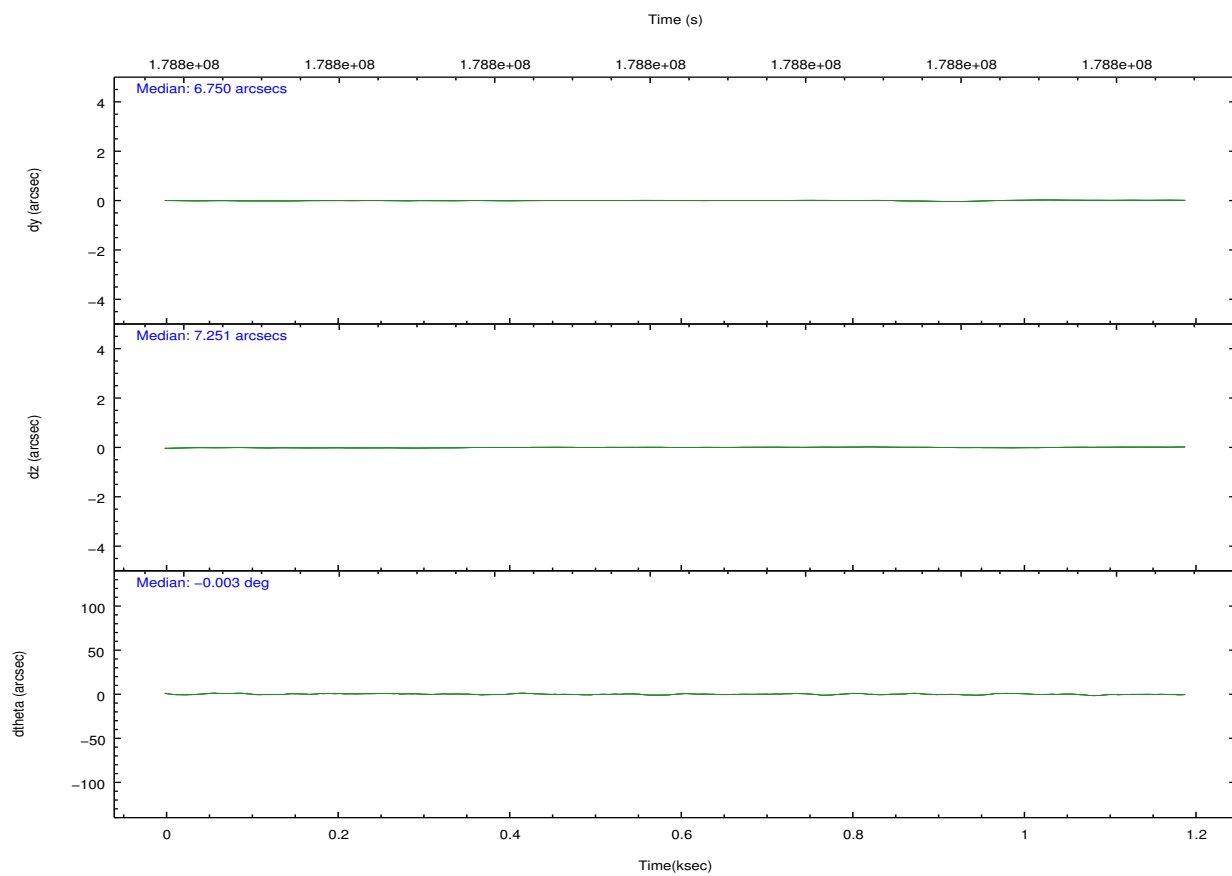
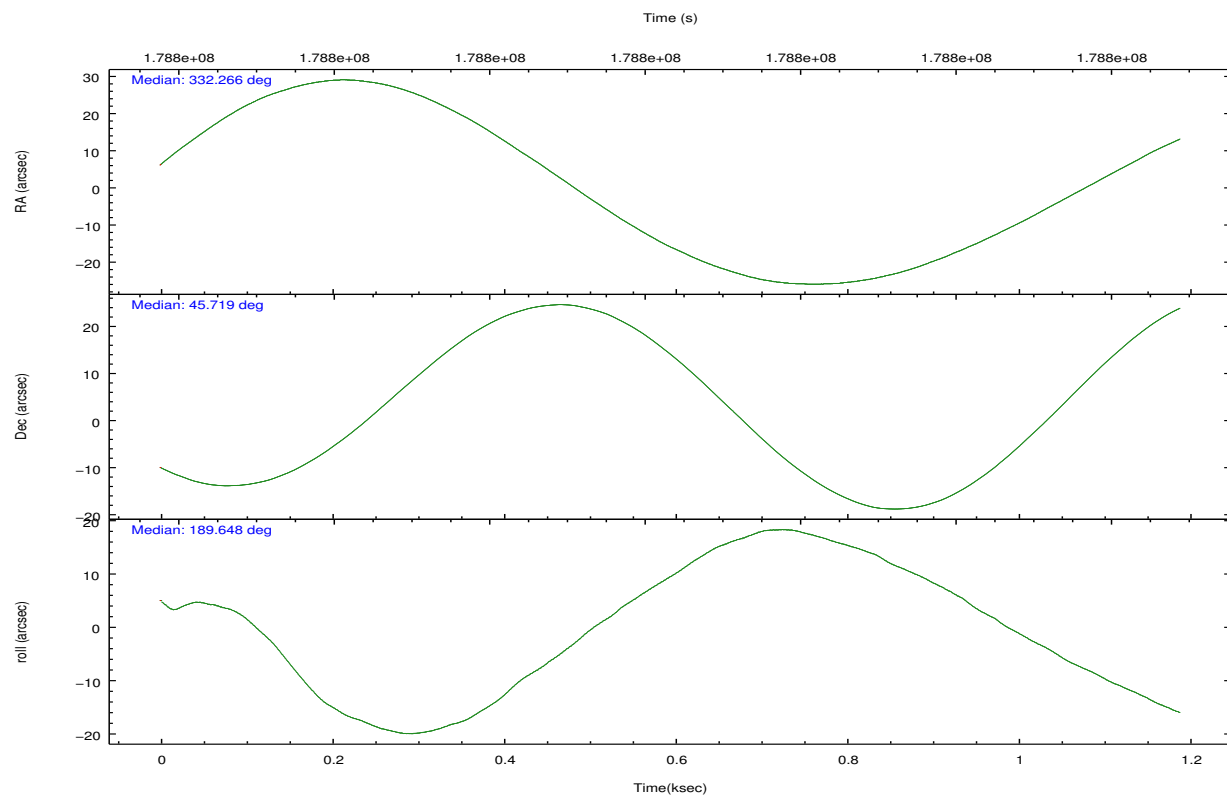
	segment 1	segment 2	segment 3
level 1 events	1074	62891	1095
rejected events	1074	14493	1095
rejected %	100%	23%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.295725	332.265961200748			
[deg] Pointing Dec	45.739248	45.71924235657985			
[deg] Pointing Roll	189.566855	189.655573446995			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	178802428.184000	178802052.19472			
Observation start date	2003-09-01T11:19:24	2003-09-01T11:14:12			
[s] Observation end time (MET)	178803428.184000	178803562.53228			
Observation end date	2003-09-01T11:36:04	2003-09-01T11:39:22			

2.3 Aspect



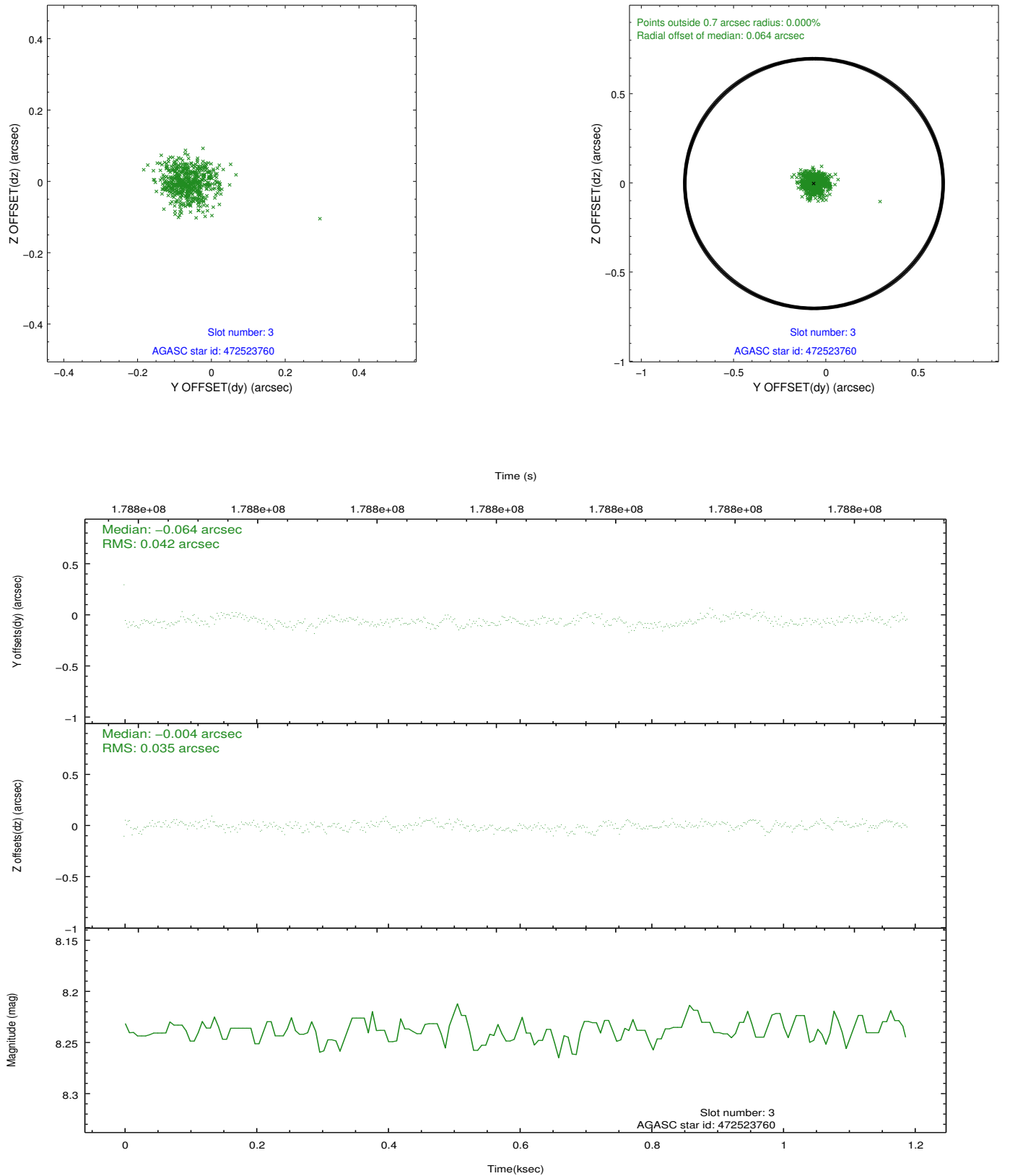


Slot Statistics

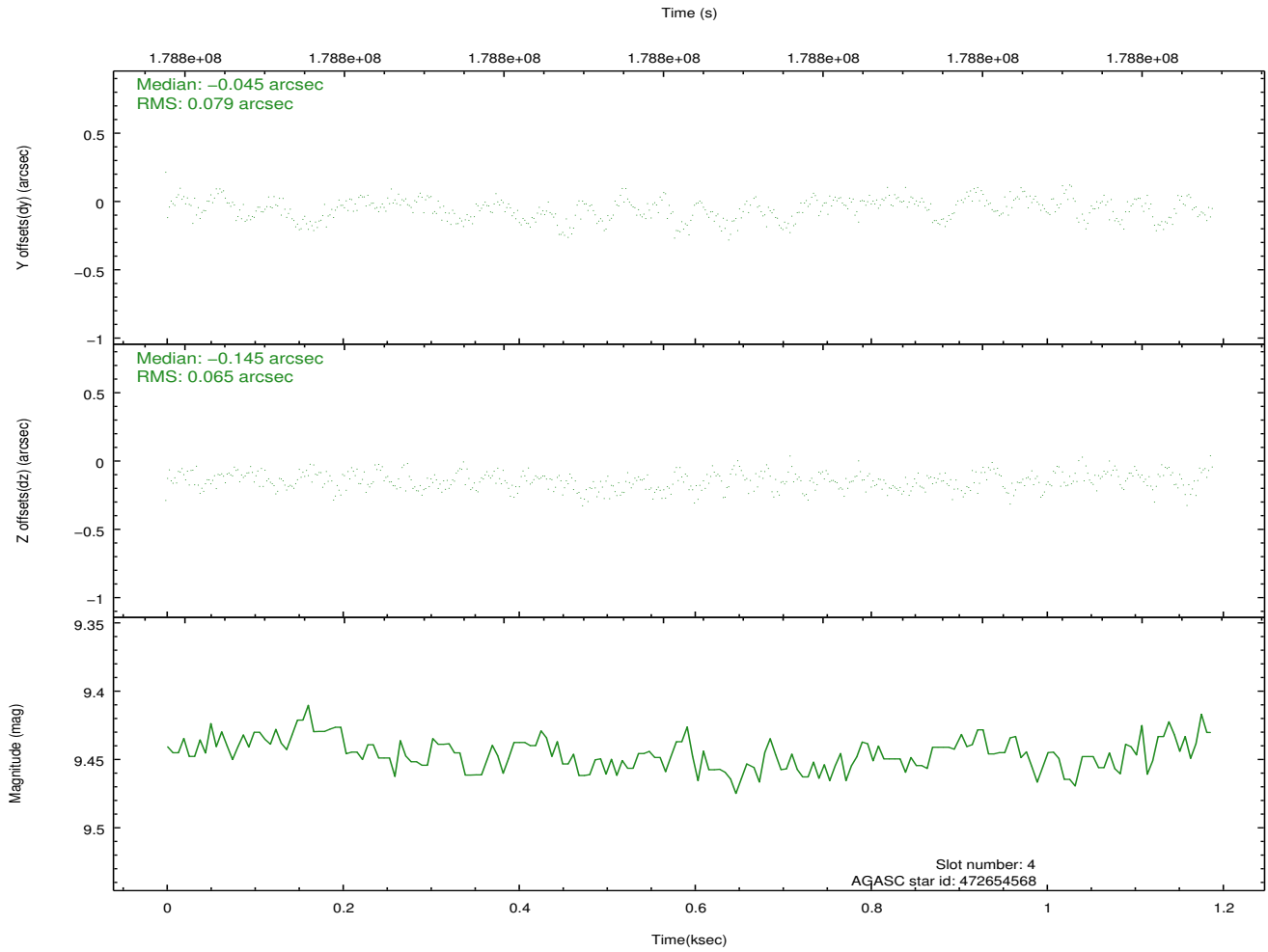
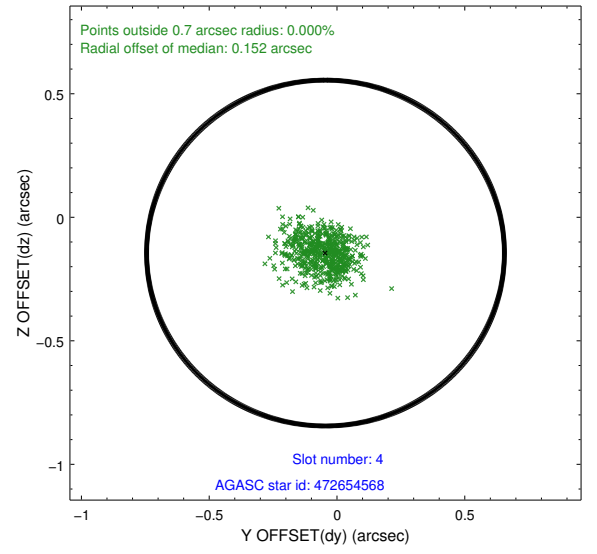
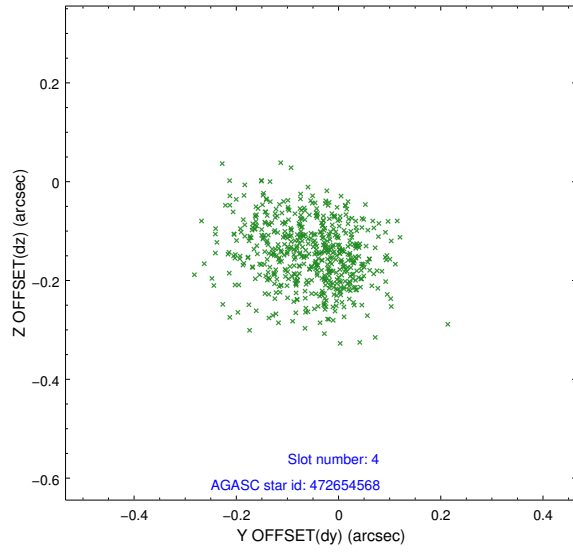
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	290	0.111	-0.117	0.007	0.010	0.000000	0.000000	-1160.92	-455.81
1	FID	HRC-S-2	7.03	288	0.157	-0.104	0.005	0.009	0.000000	0.000000	1234.78	-450.02
2	FID	HRC-S-3	7.05	289	0.122	-0.081	0.007	0.012	0.000000	0.000000	-1159.36	572.20
3	GUIDE	472523760	8.24	578	-0.064	-0.004	0.056	0.091	331.645363	45.403260	1821.82	910.77
4	GUIDE	472654568	9.45	578	-0.045	-0.145	0.107	0.181	332.194449	45.063576	662.03	2354.69
5	GUIDE	472655152	9.45	578	0.135	0.059	0.093	0.157	332.504239	45.862991	-587.25	-351.45
6	GUIDE	472659832	9.46	578	0.014	0.063	0.108	0.178	332.780399	46.098139	-1408.23	-1079.80
7	GUIDE	472533912	9.16	577	-0.023	0.037	0.117	0.191	331.791136	46.368695	857.69	-2450.95

2.4 Star Slots

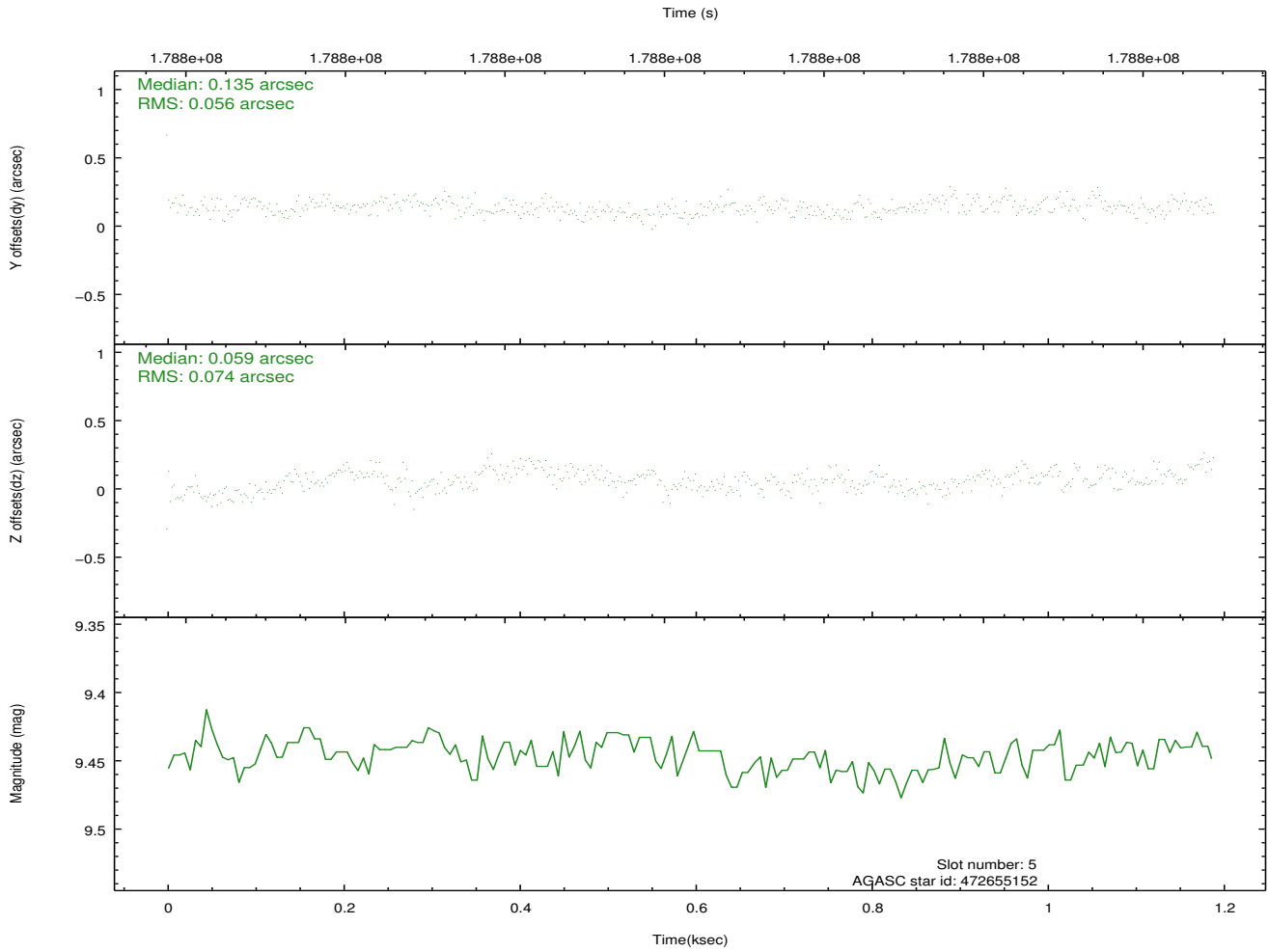
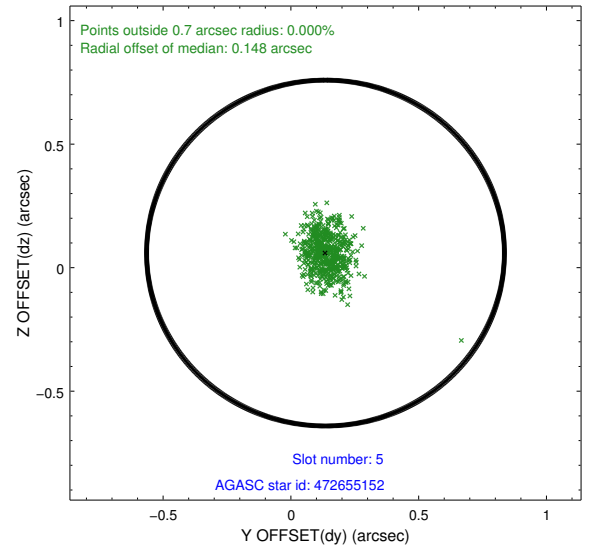
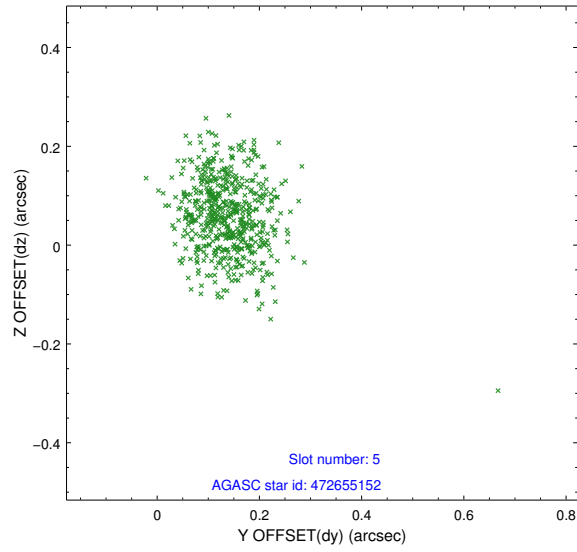
2.4.1 Slot 3



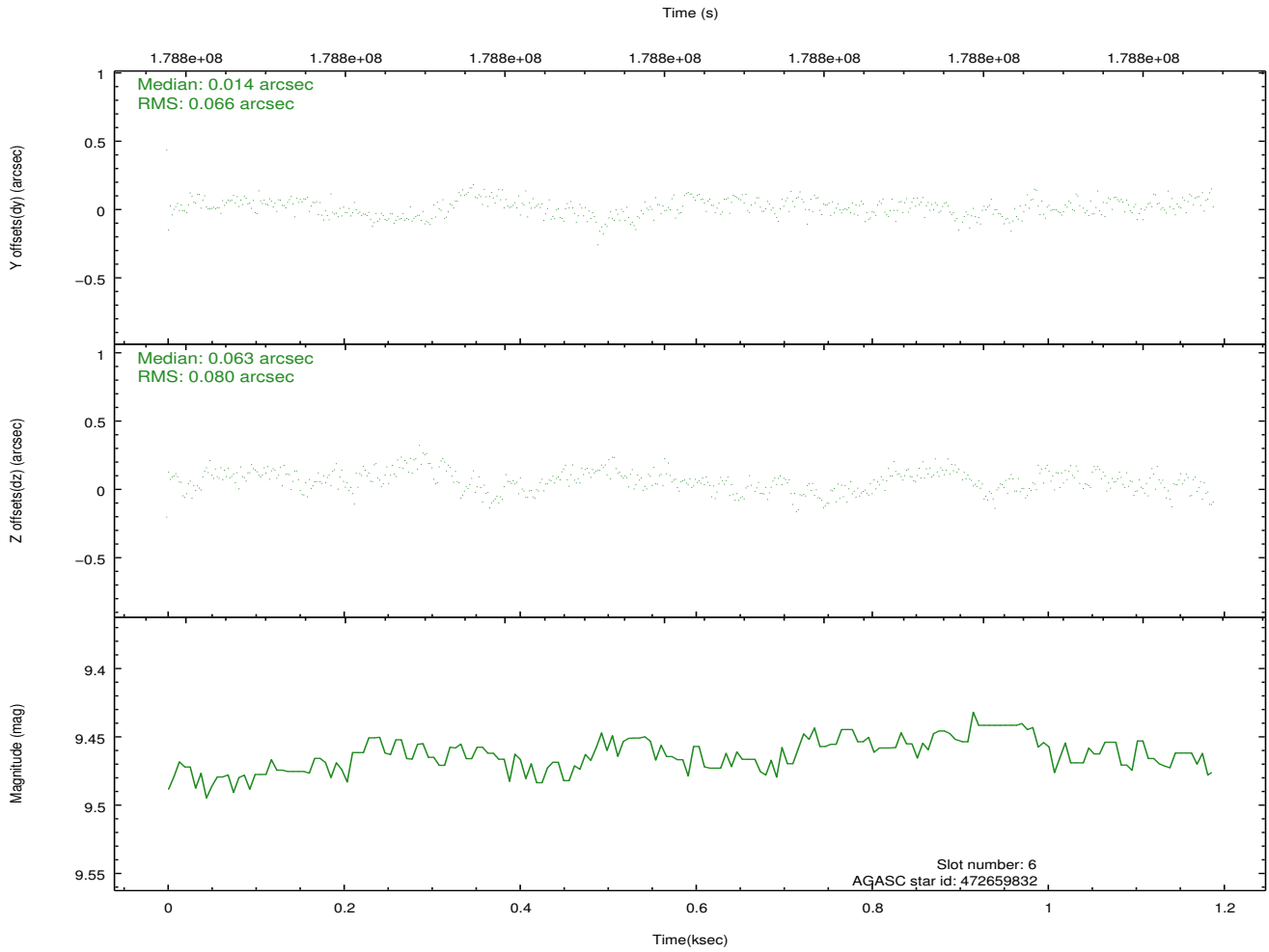
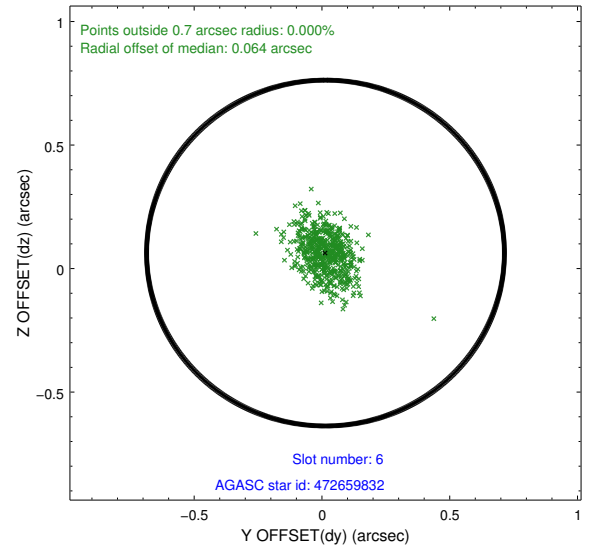
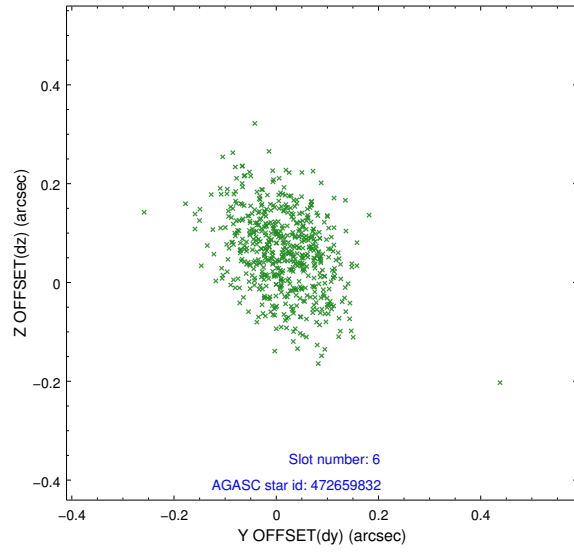
2.4.2 Slot 4



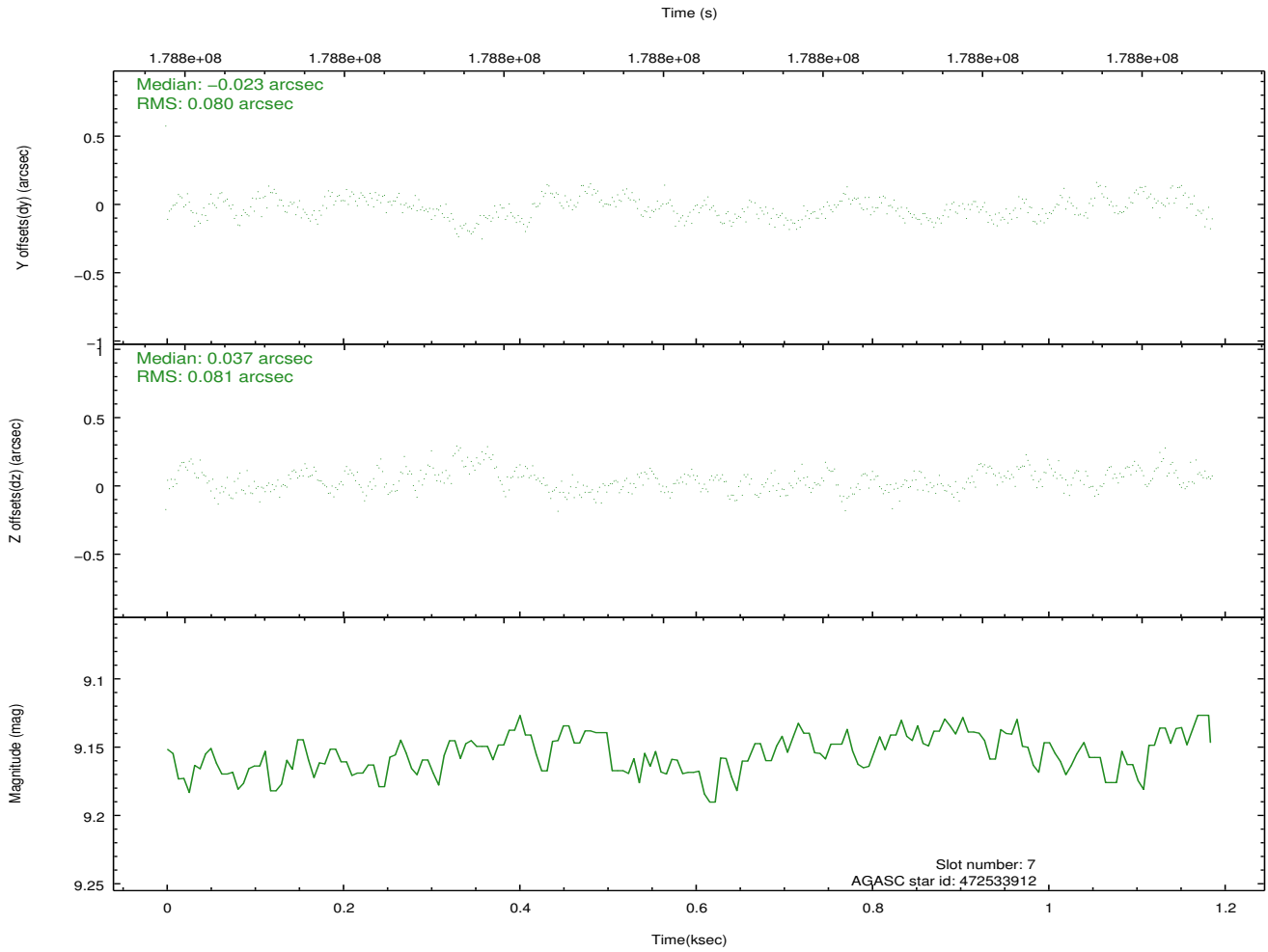
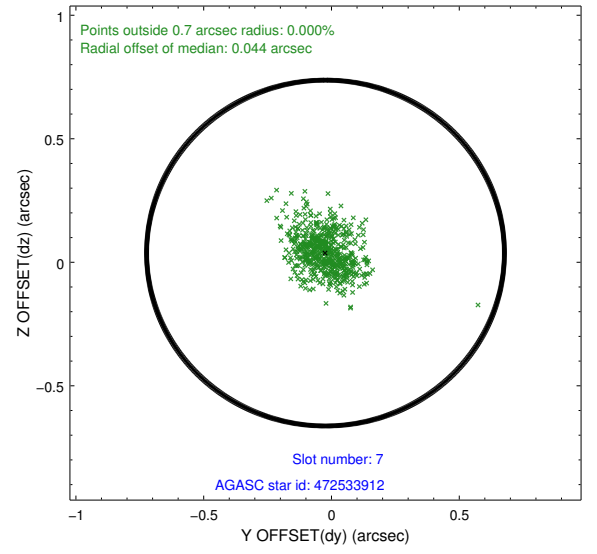
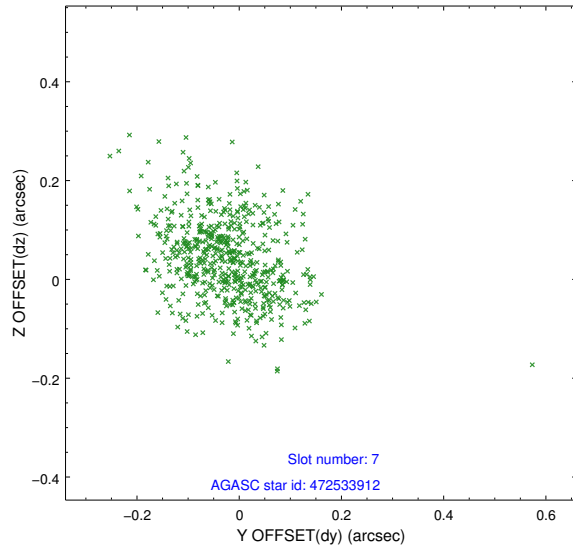
2.4.3 Slot 5



2.4.4 Slot 6

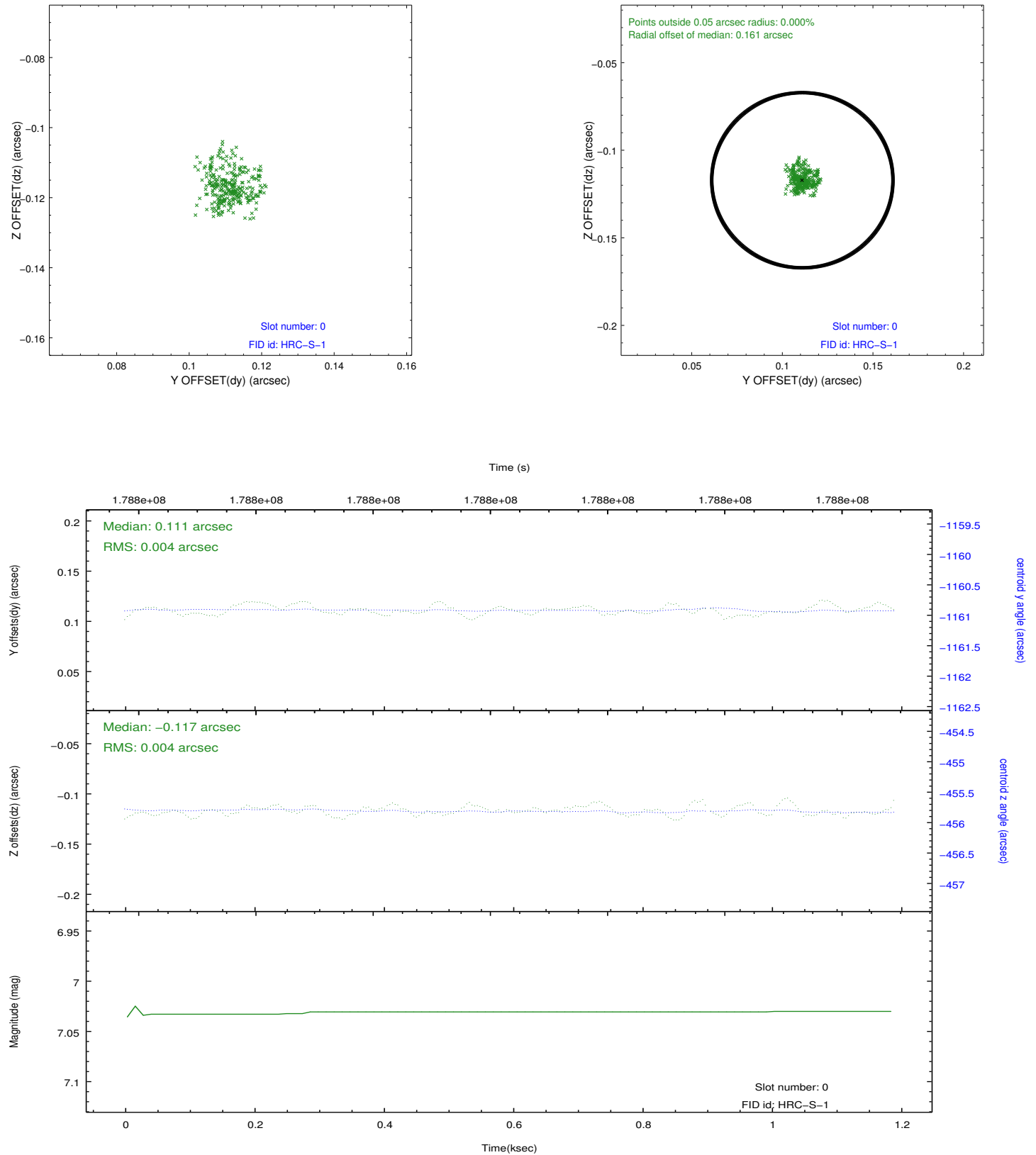


2.4.5 Slot 7

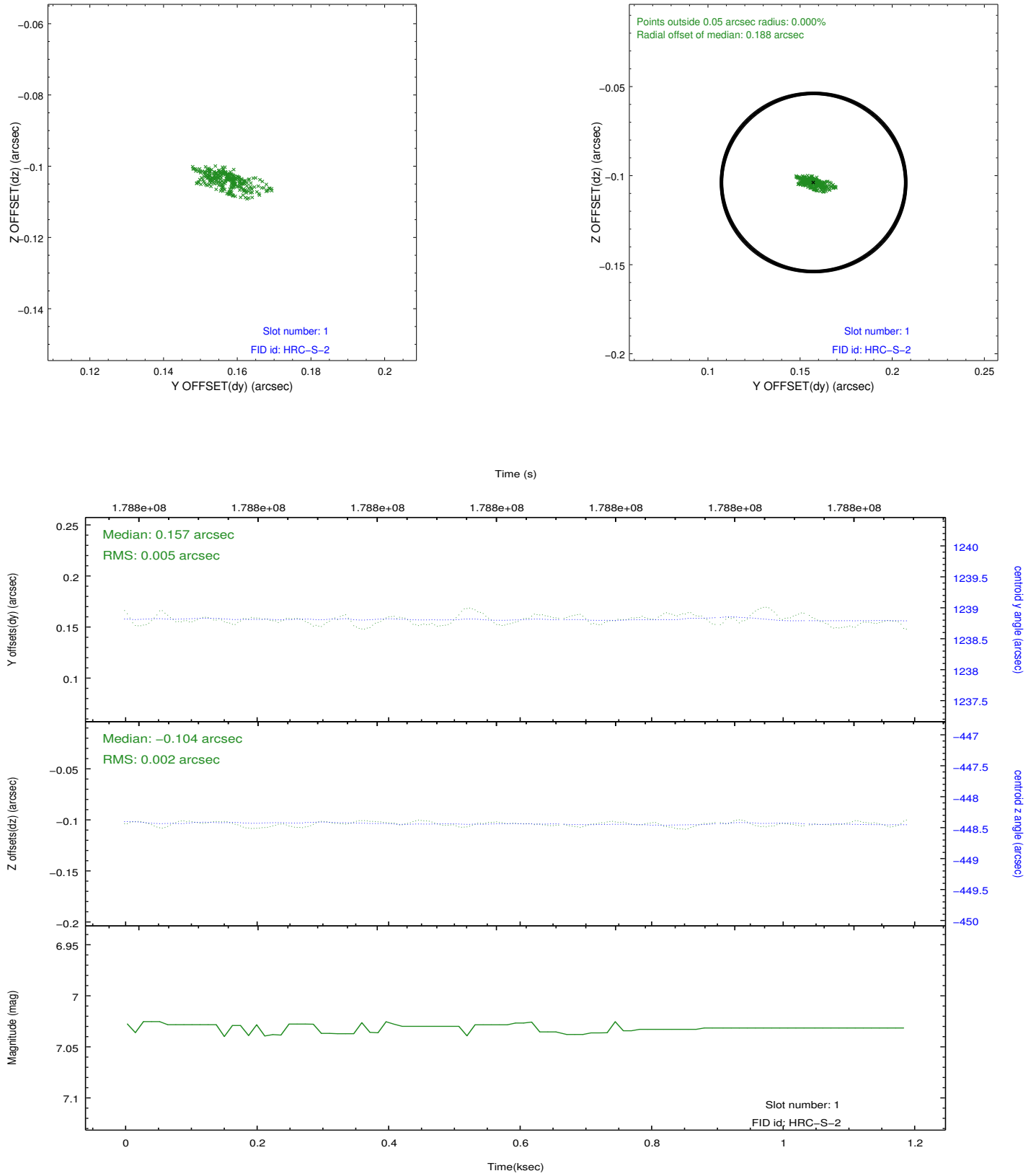


2.5 FID Slots

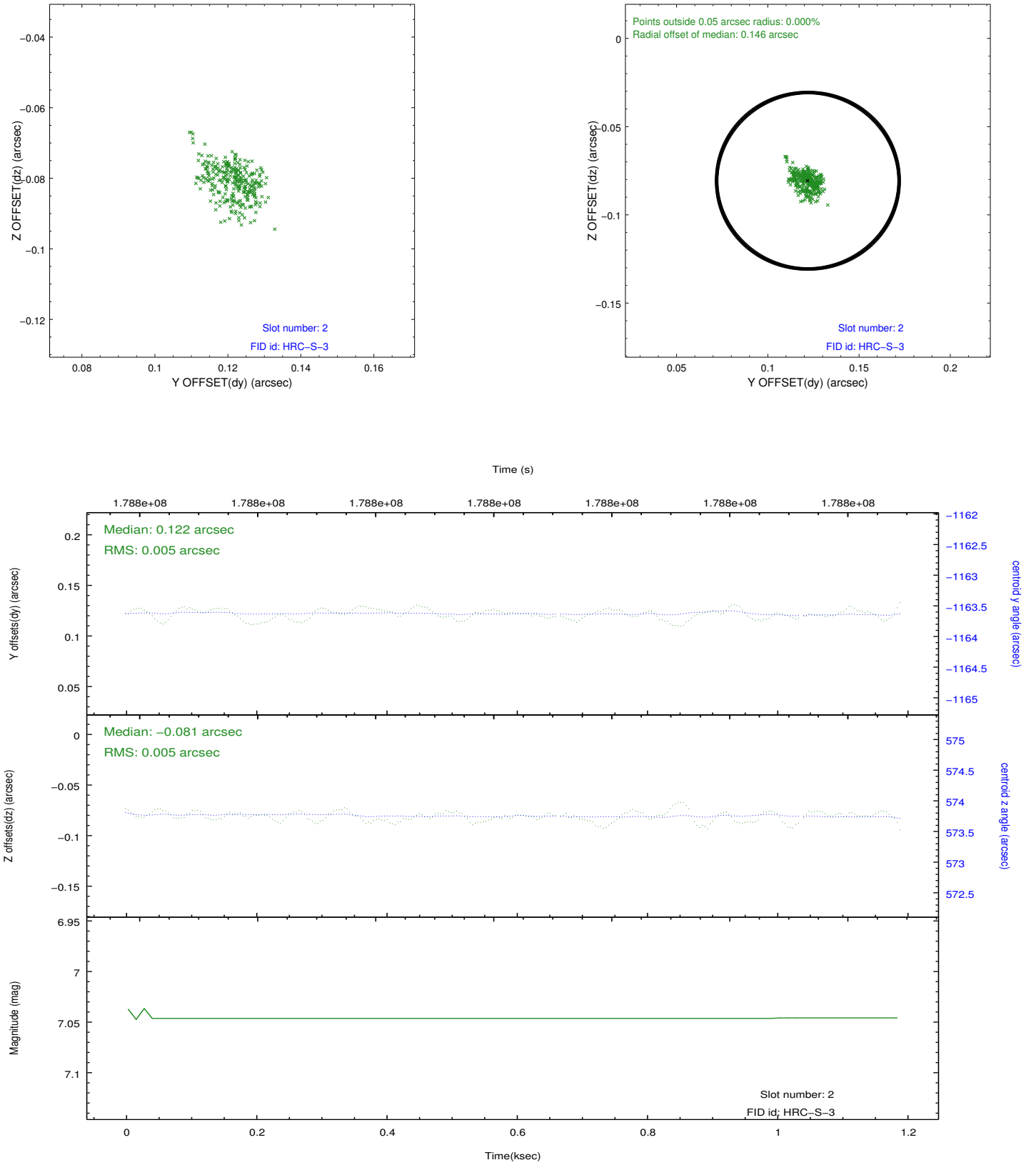
2.5.1 Slot 0



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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.139

A.2 Comments

Monitor constraint met.