

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4327 - L2 Version 3
Chandra X-Ray Center

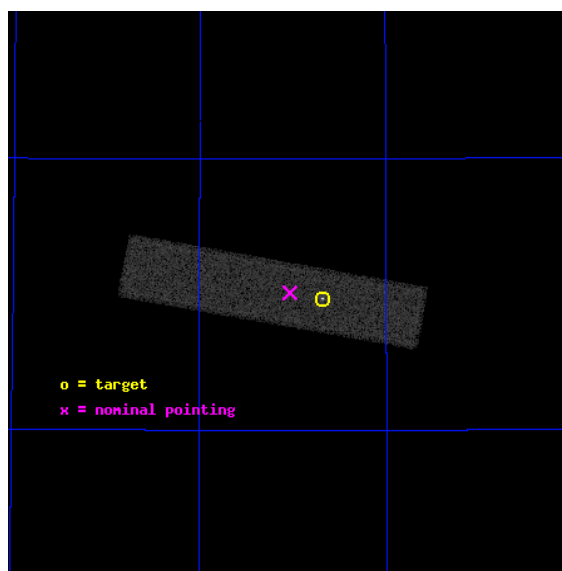
L2 Processing Date : Nov 2 2012

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1 Front

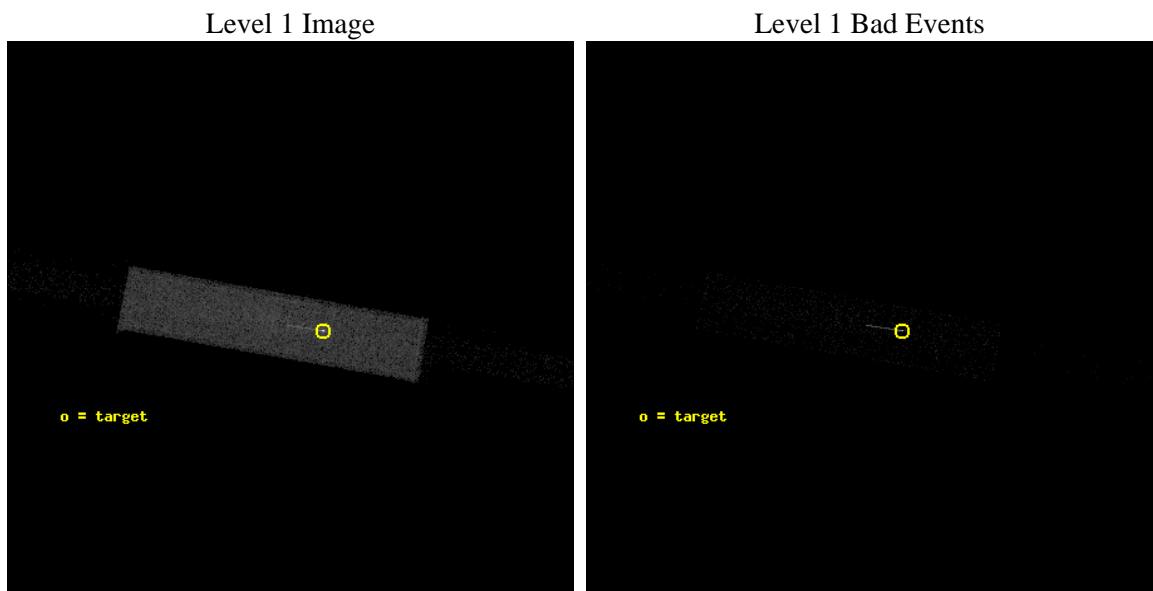
seq_num	290287	Sequence number
obs_id	4327	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25782268996	Nominal RA [deg]
dec_nom	45.75345869389	Nominal Dec [deg]
roll_nom	189.92157156399	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062989235	[s]
livetime	1136.3205105226	Ontime multiplied by DTCOR
l2events	40828	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	1142.1062989235	[s]
caldsver	4.5.2	 	l1events	67741	Number of level 1 events
date	2012-11-02T16:20:58	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

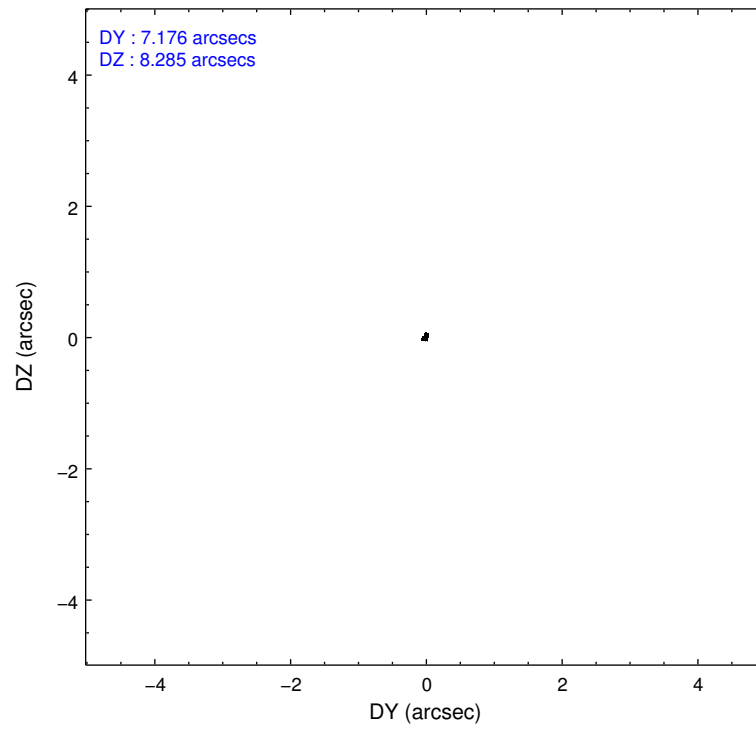
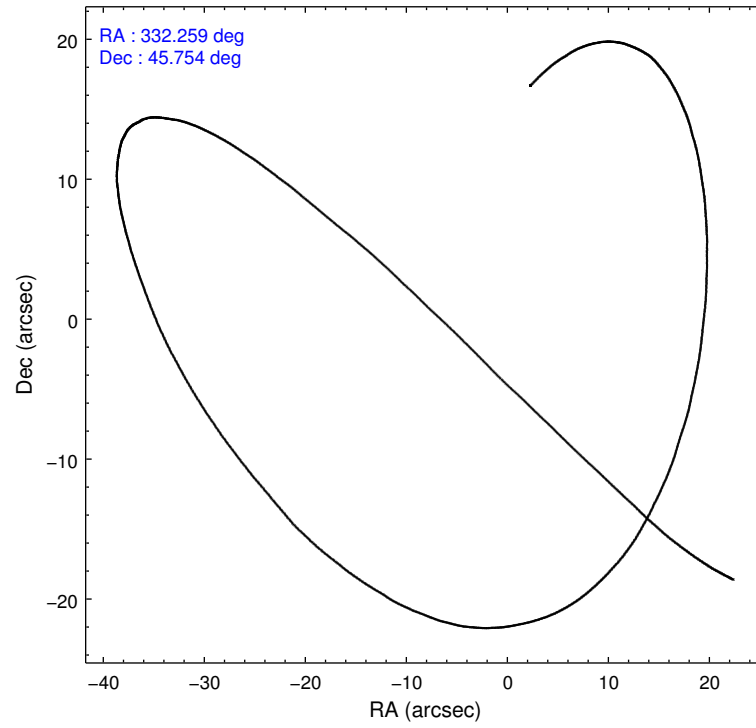
Level 1 Events

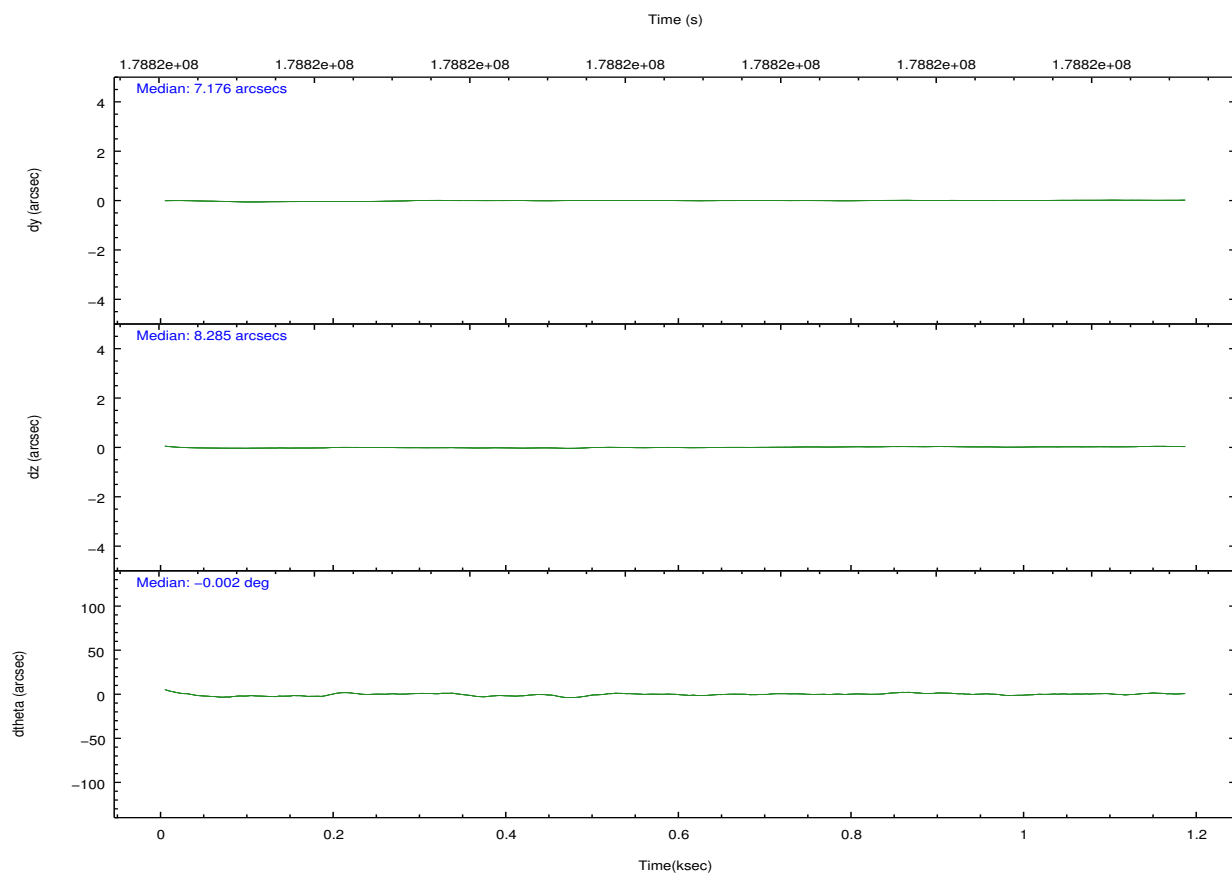
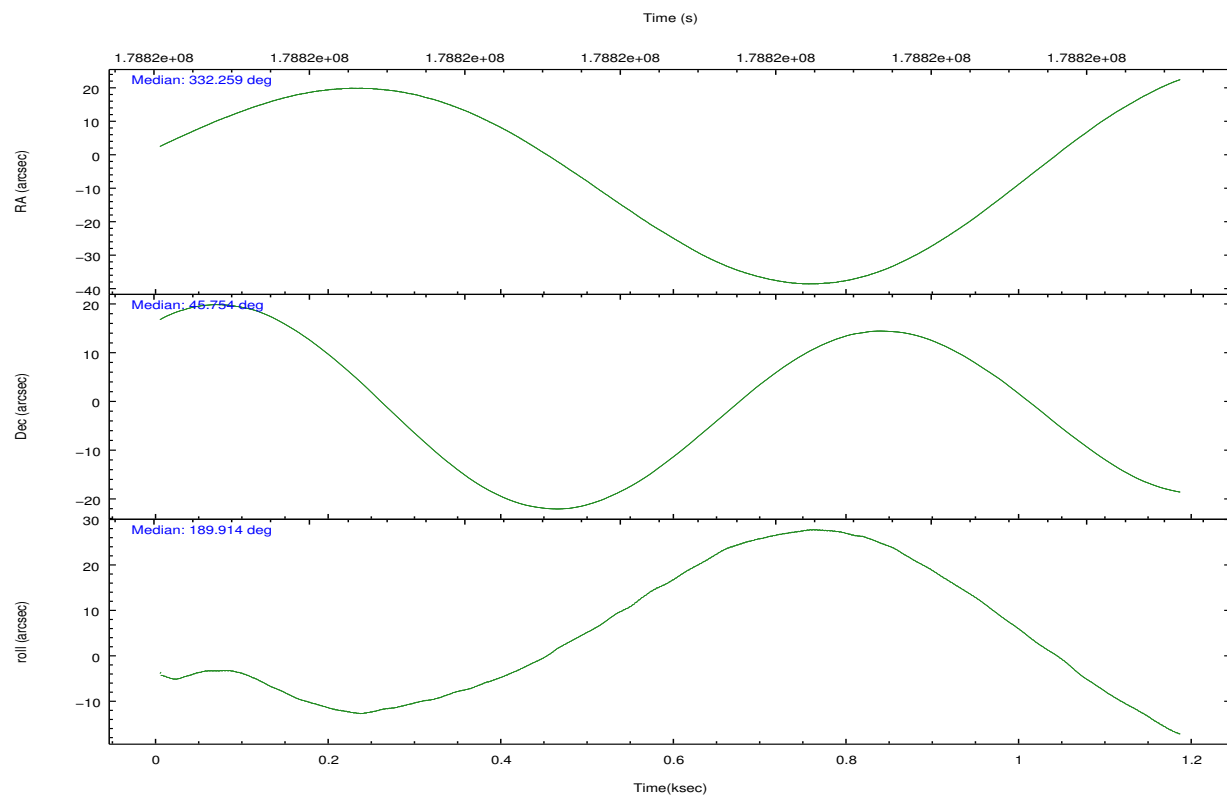
	segment 1	segment 2	segment 3
level 1 events	1086	65640	1015
rejected events	1086	15389	1015
rejected %	100%	23%	100%

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	332.287579	332.2578226899586			
[deg] Pointing Dec	45.772493	45.75345869388969			
[deg] Pointing Roll	189.832919	189.9215715639883			
[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)	178822058.184000	178821682.48306			
Observation start date	2003-09-01T16:46:34	2003-09-01T16:41:22			
[s] Observation end time (MET)	178823058.184000	178823192.82063			
Observation end date	2003-09-01T17:03:14	2003-09-01T17:06:32			

2.3 Aspect



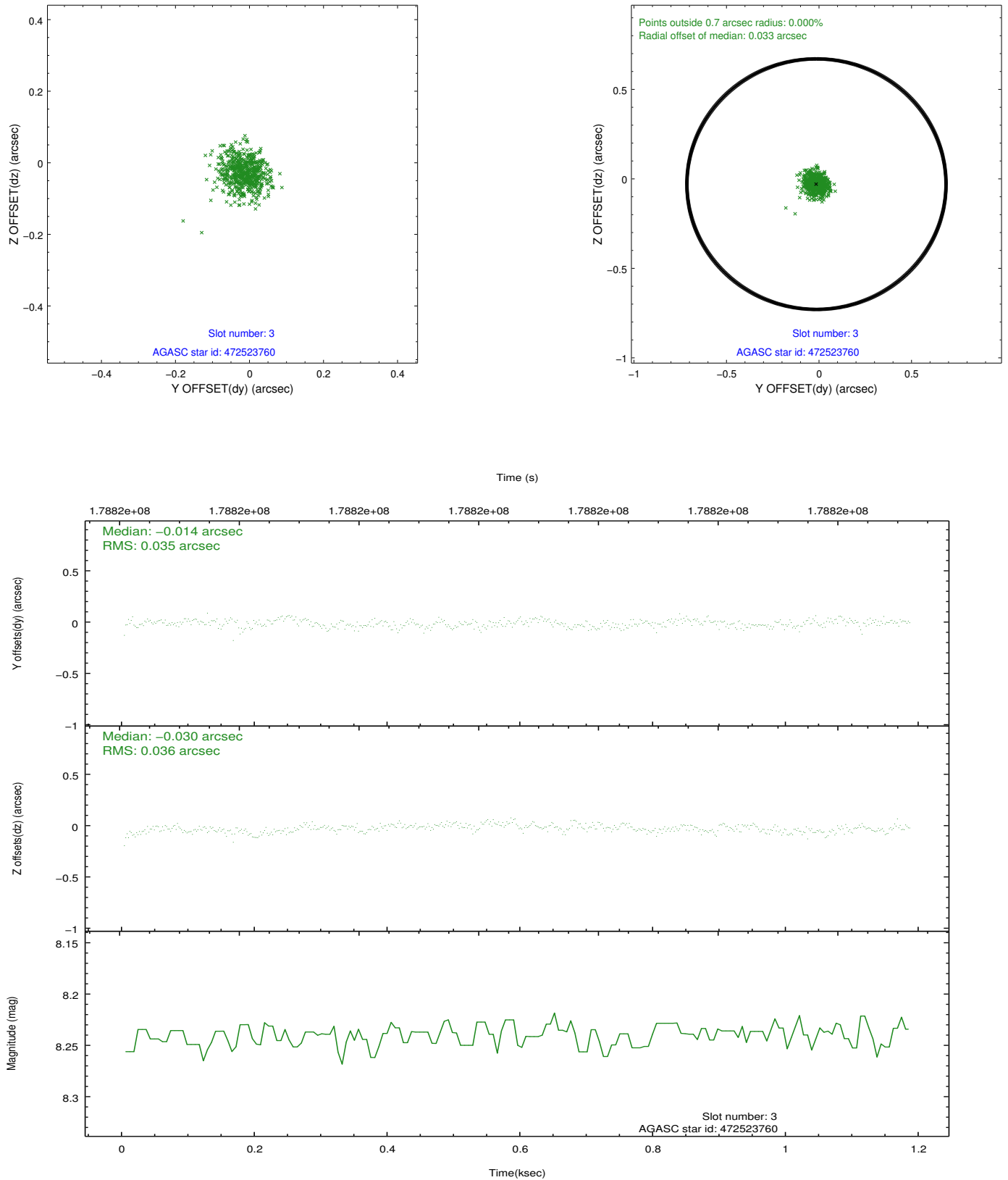


Slot Statistics

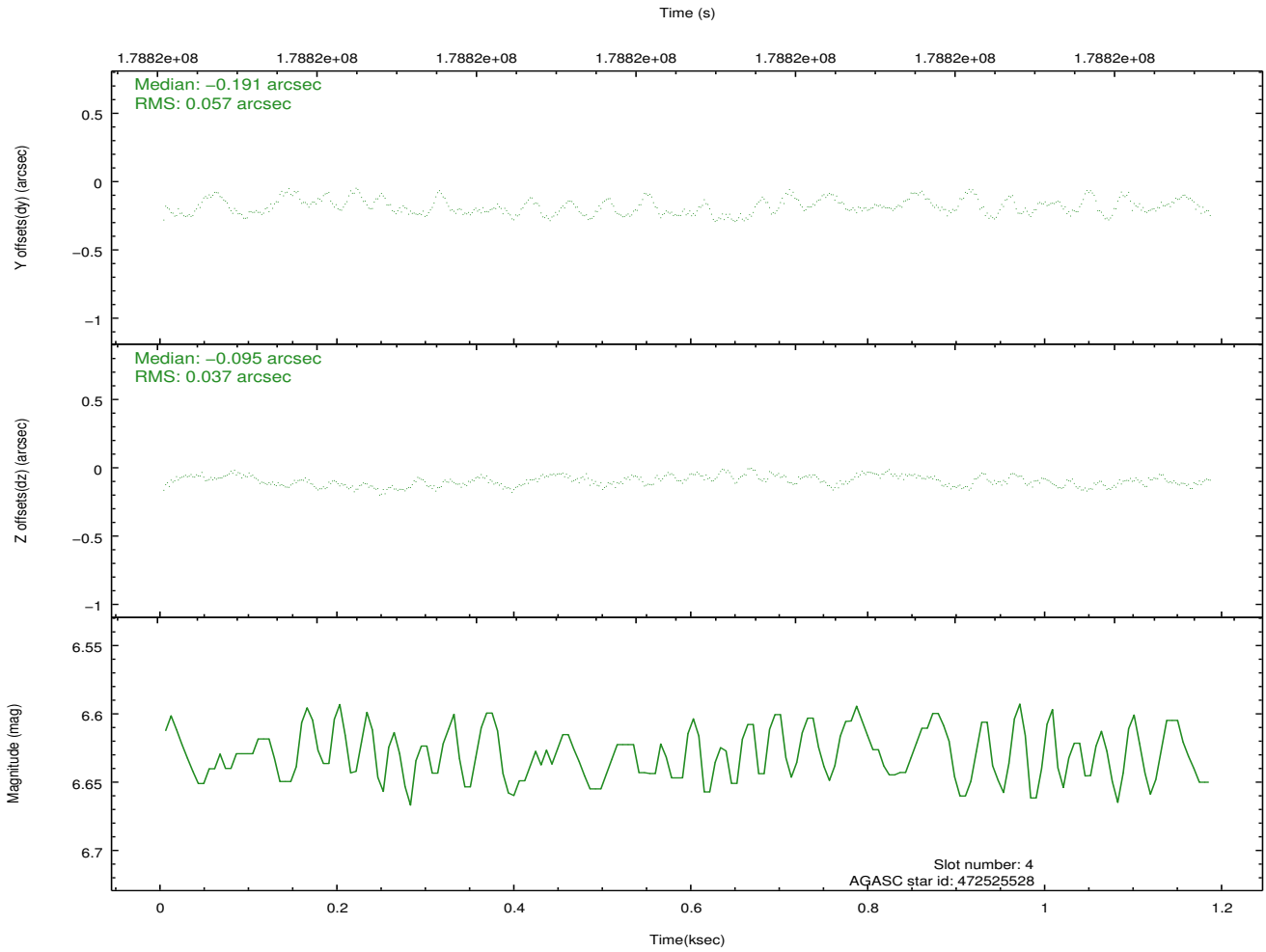
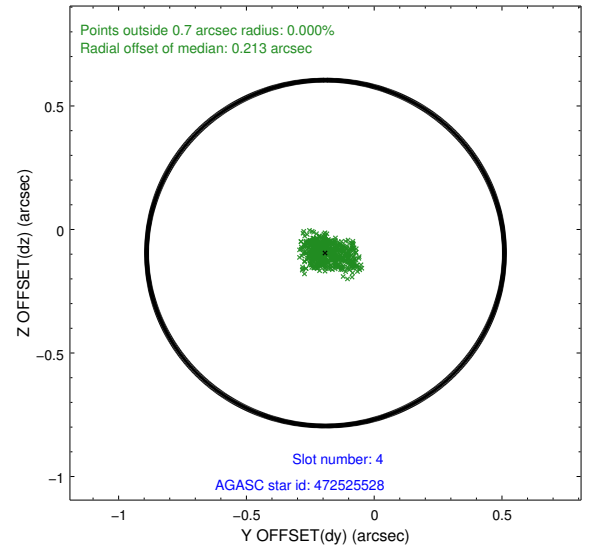
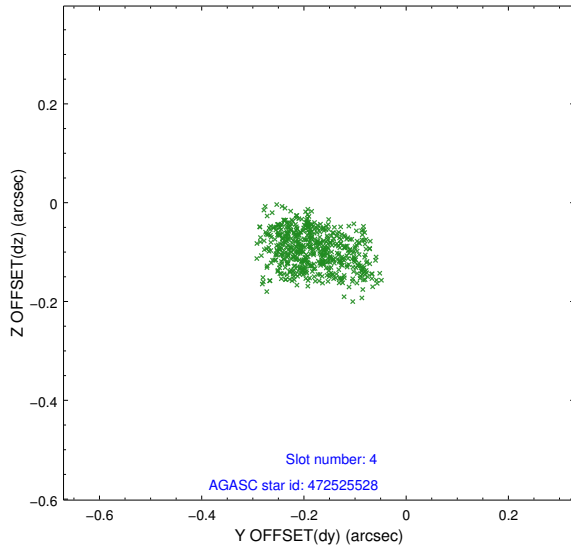
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	289	0.115	-0.130	0.007	0.010	0.000000	0.000000	-1161.36	-456.86
1	FID	HRC-S-3	7.03	289	0.064	-0.073	0.009	0.015	0.000000	0.000000	-1168.12	571.15
2	FID	HRC-S-4	7.00	289	0.208	-0.094	0.005	0.009	0.000000	0.000000	1232.98	577.18
3	GUIDE	472523760	8.24	578	-0.014	-0.030	0.053	0.088	331.645363	45.403260	1826.65	1027.62
4	GUIDE	472525528	6.63	578	-0.191	-0.095	0.072	0.117	331.551102	45.248694	2164.01	1534.05
5	GUIDE	472533912	9.15	578	-0.013	-0.006	0.105	0.166	331.791136	46.368695	853.34	-2325.14
6	GUIDE	472655152	9.45	578	0.149	0.067	0.090	0.153	332.504239	45.862991	-587.90	-231.65
7	GUIDE	472659832	9.46	575	0.057	0.054	0.095	0.168	332.780399	46.098139	-1412.44	-947.94

2.4 Star Slots

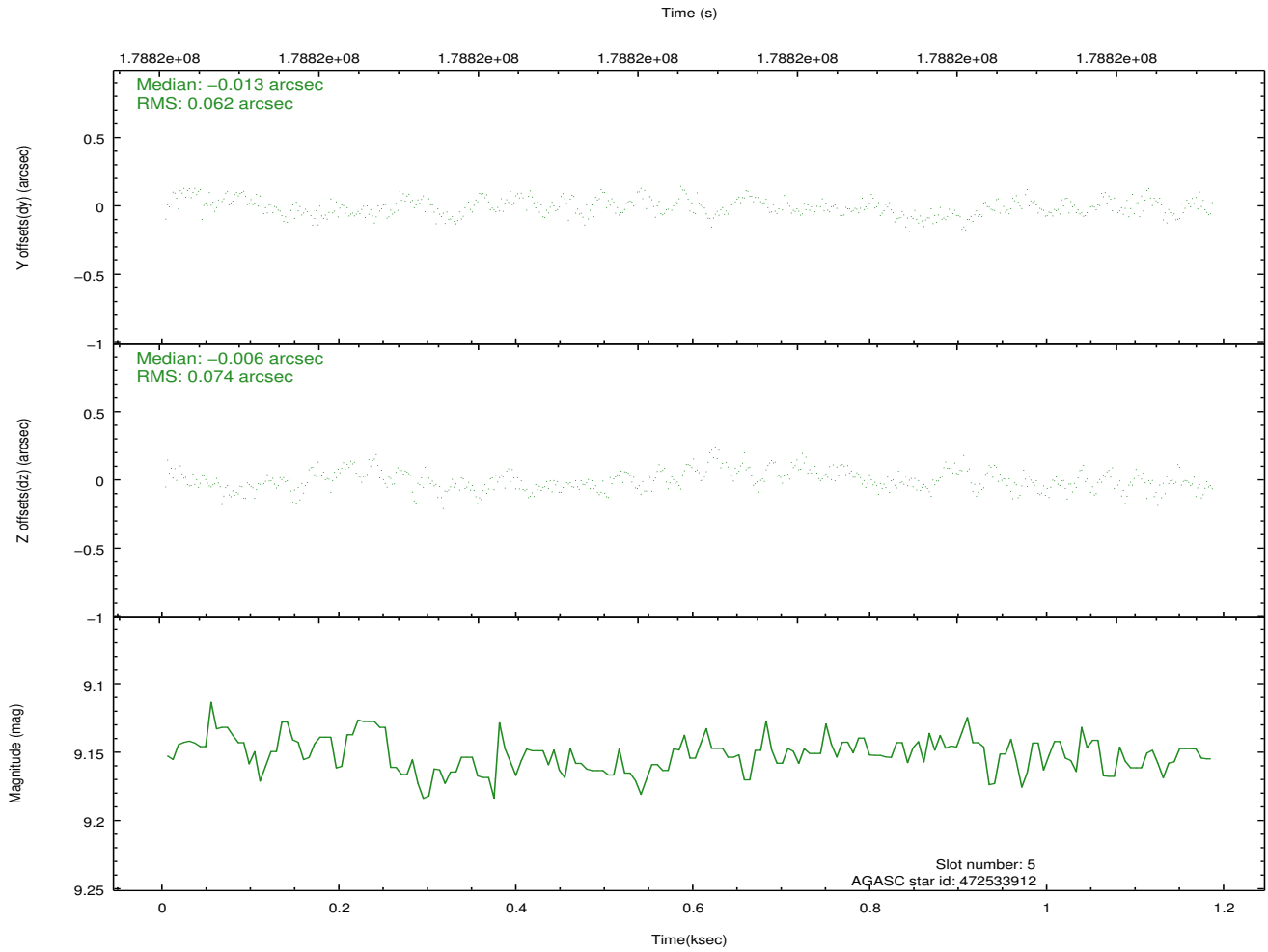
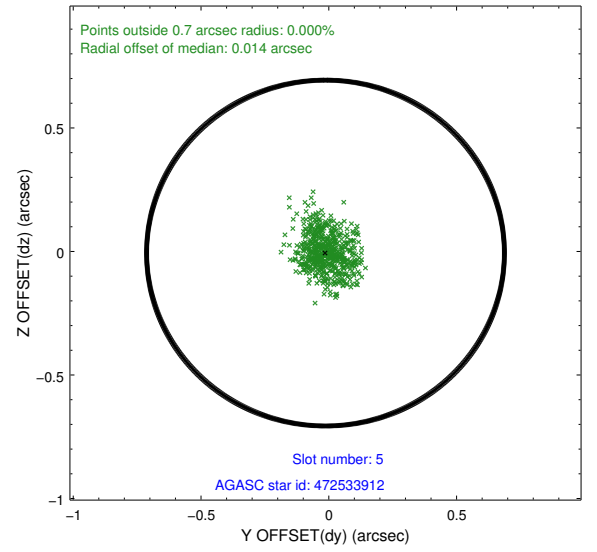
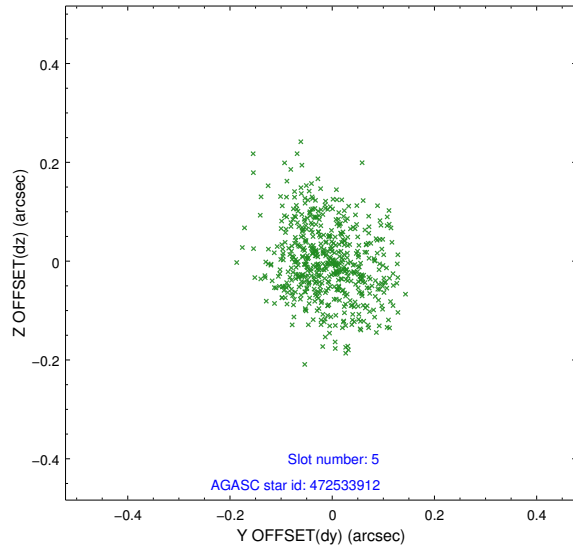
2.4.1 Slot 3



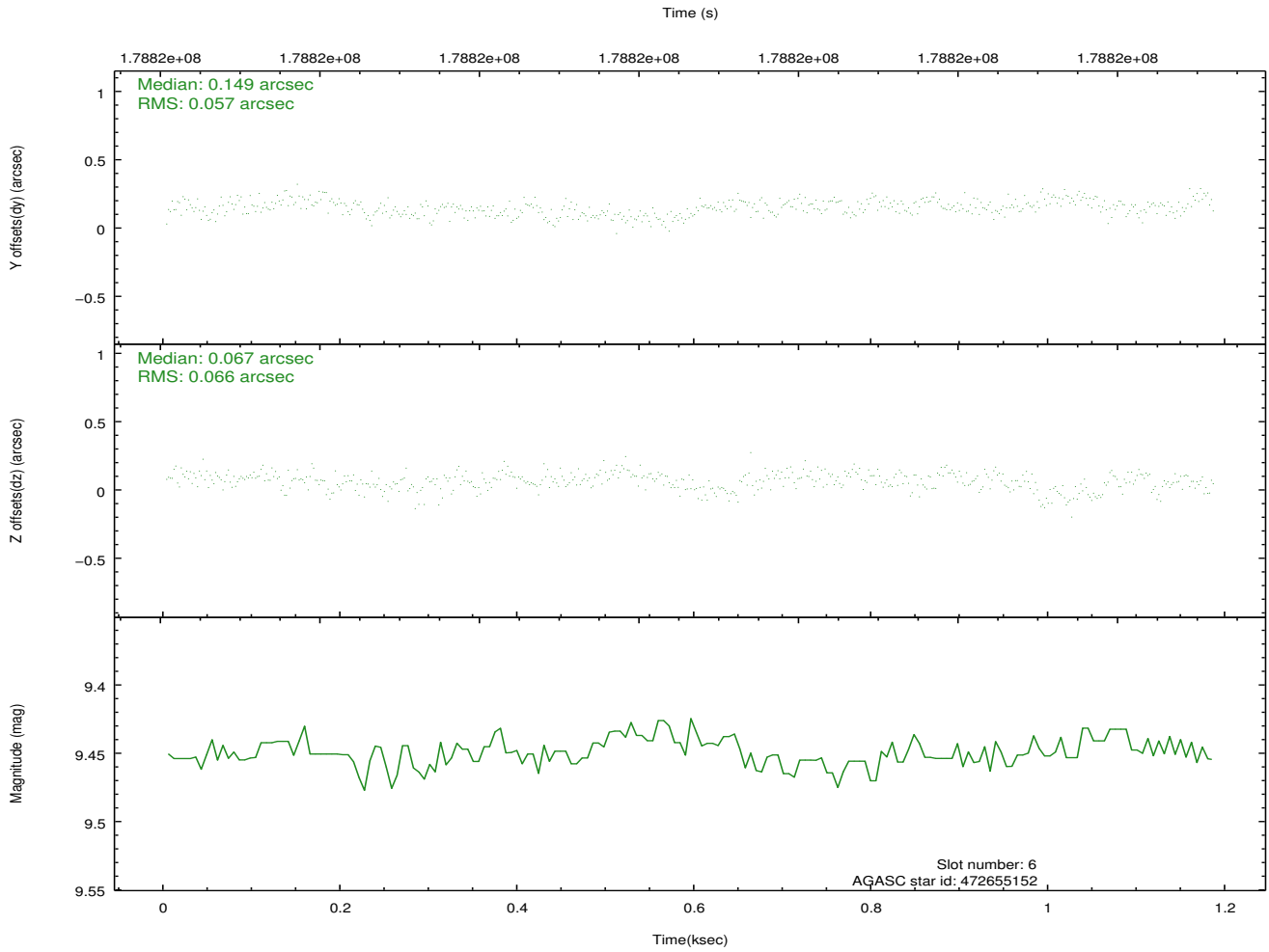
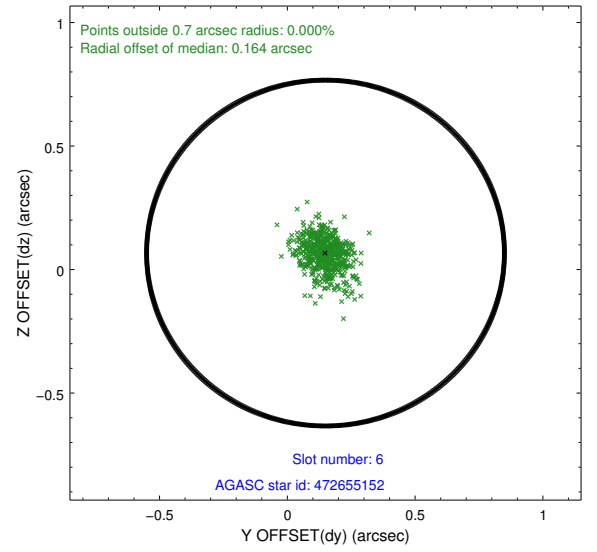
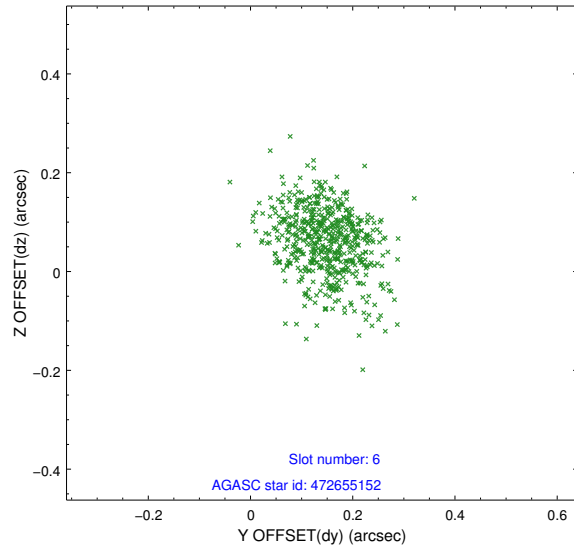
2.4.2 Slot 4



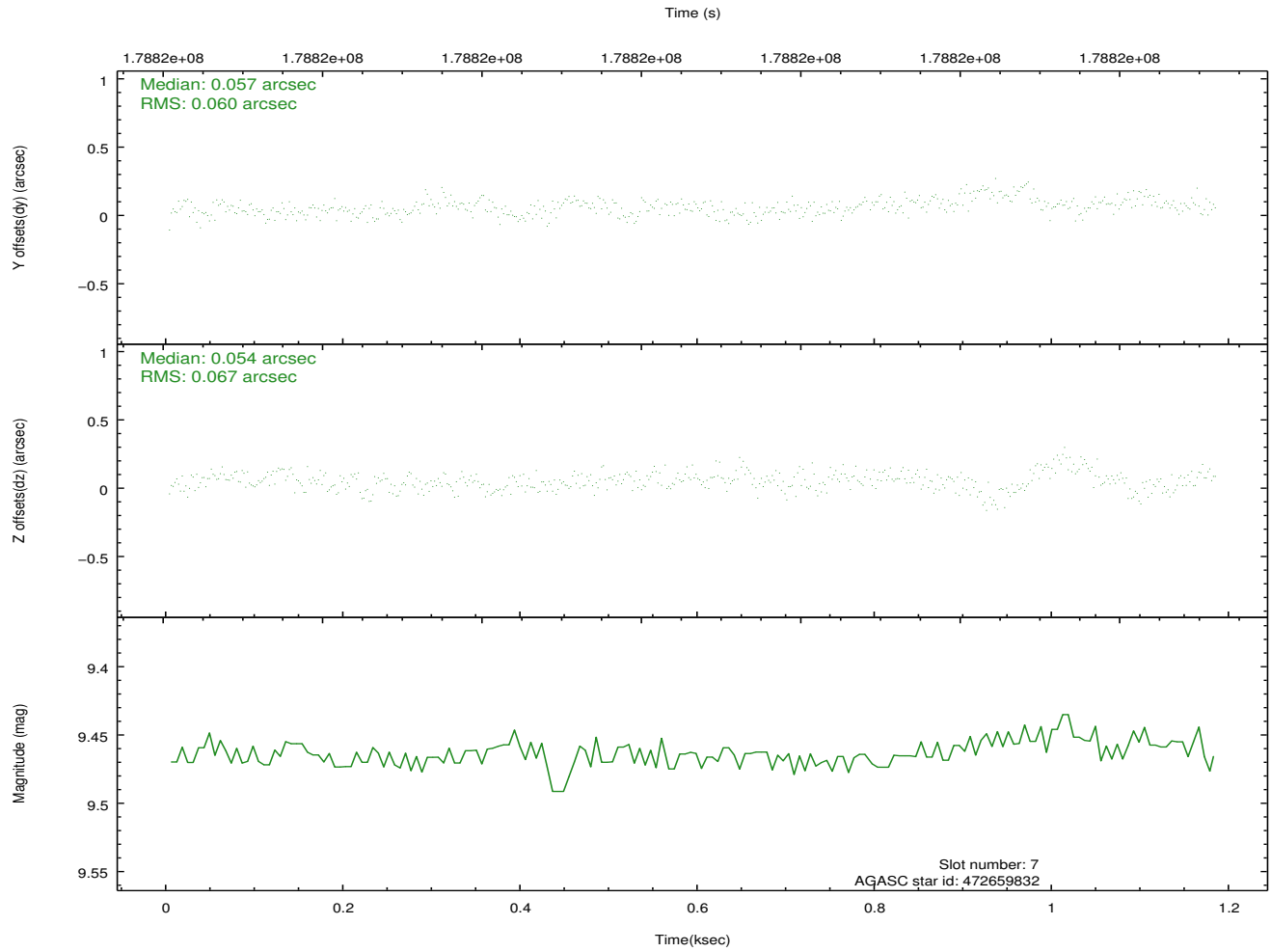
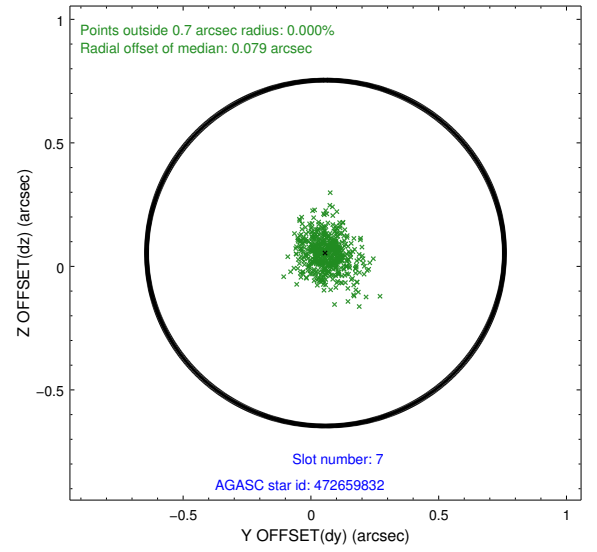
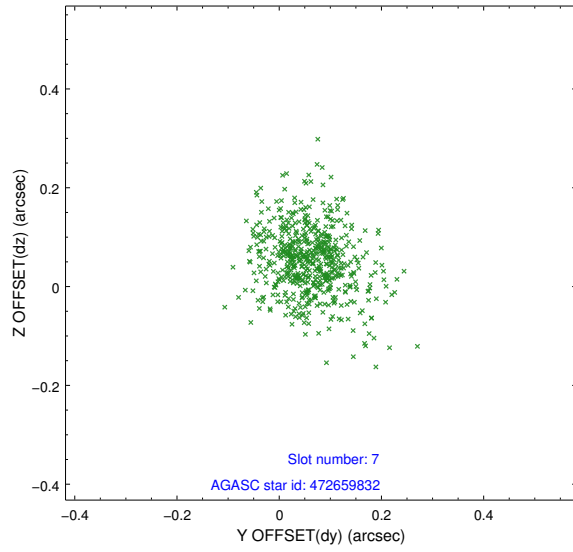
2.4.3 Slot 5



2.4.4 Slot 6

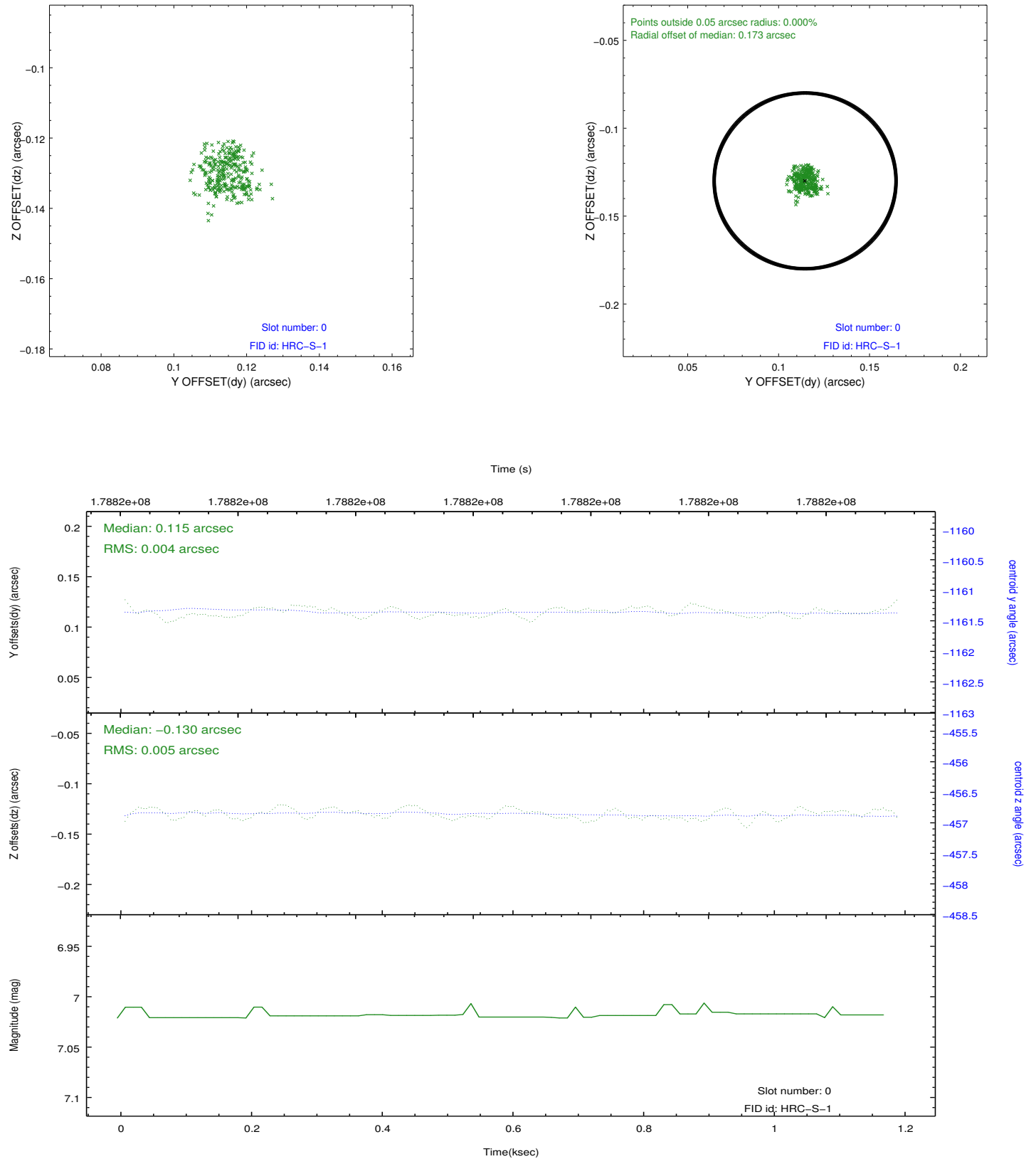


2.4.5 Slot 7

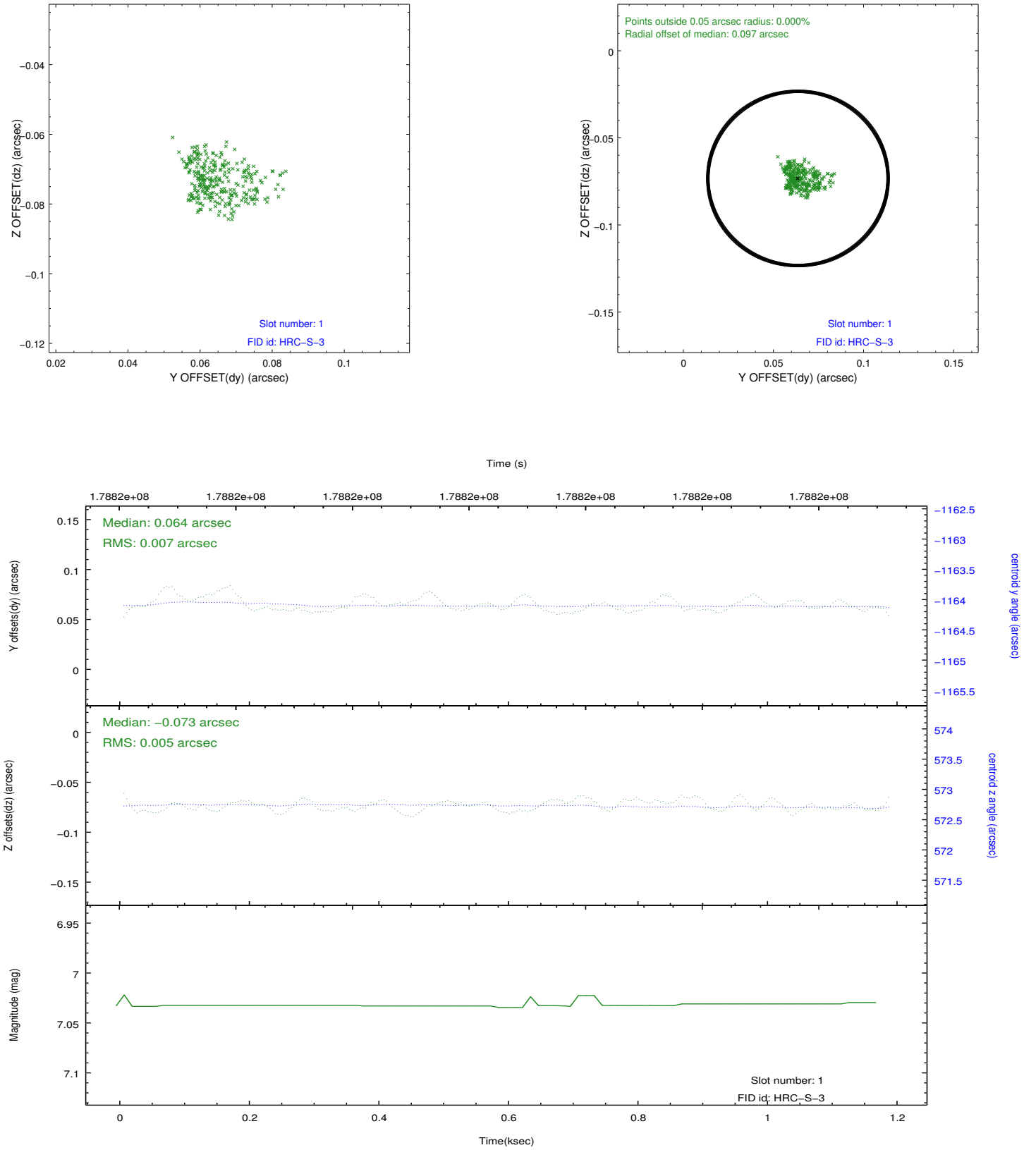


2.5 FID Slots

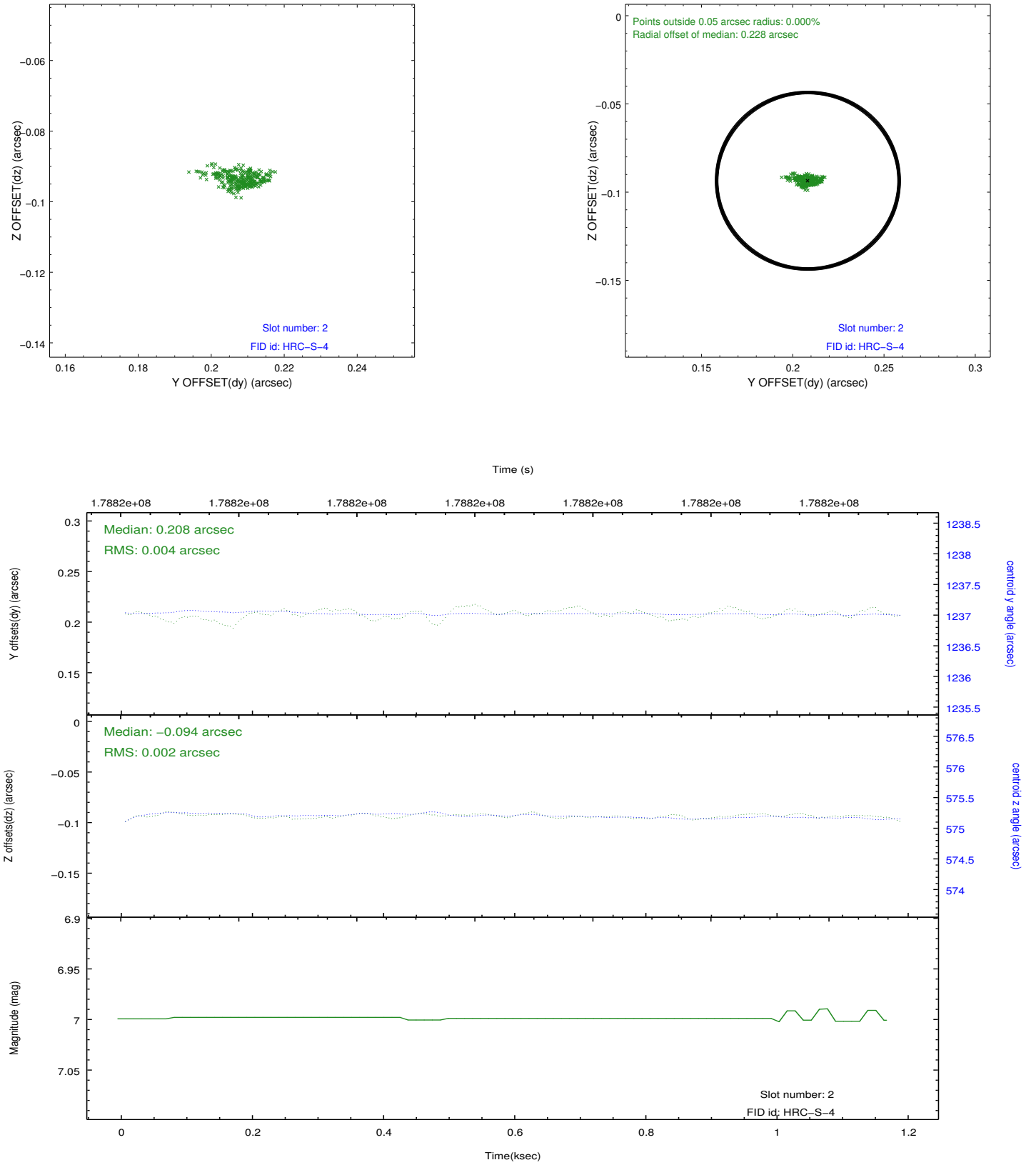
2.5.1 Slot 0



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	1.142

A.2 Comments