

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6038 - L2 Version 3
Chandra X-Ray Center

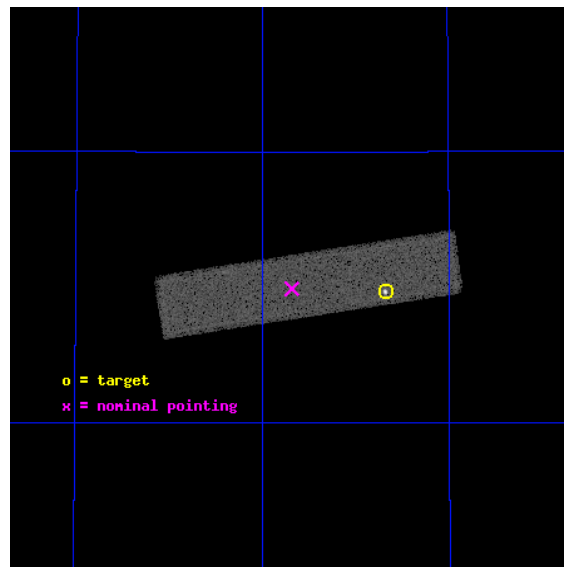
L2 Processing Date : Dec 17 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

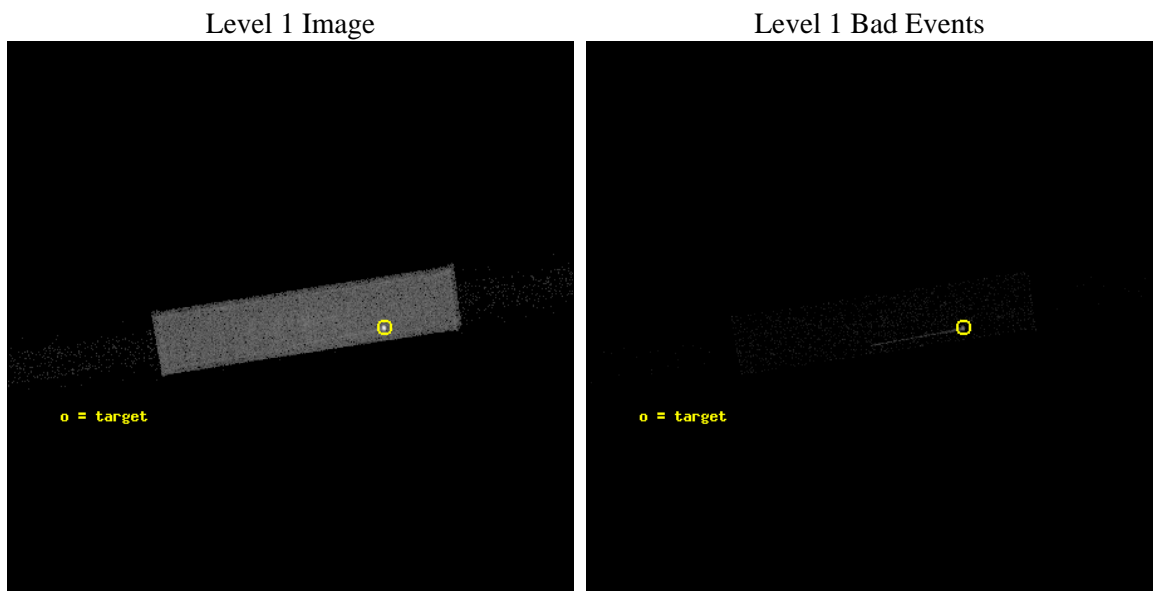
seq_num	290530	Sequence number
obs_id	6038	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.42023921448	Nominal RA [deg]
dec_nom	45.748285788344	Nominal Dec [deg]
roll_nom	351.18378058011	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1157.4813023508	[s]
livetime	1150.6265815188	Ontime multiplied by DTCOR
l2events	47430	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	8.5.1	Processing system revision	ontime	1157.4813023508	[s]
caldsver	4.5.5	 	l1events	76914	Number of level 1 events
date	2012-12-17T04:31:56	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

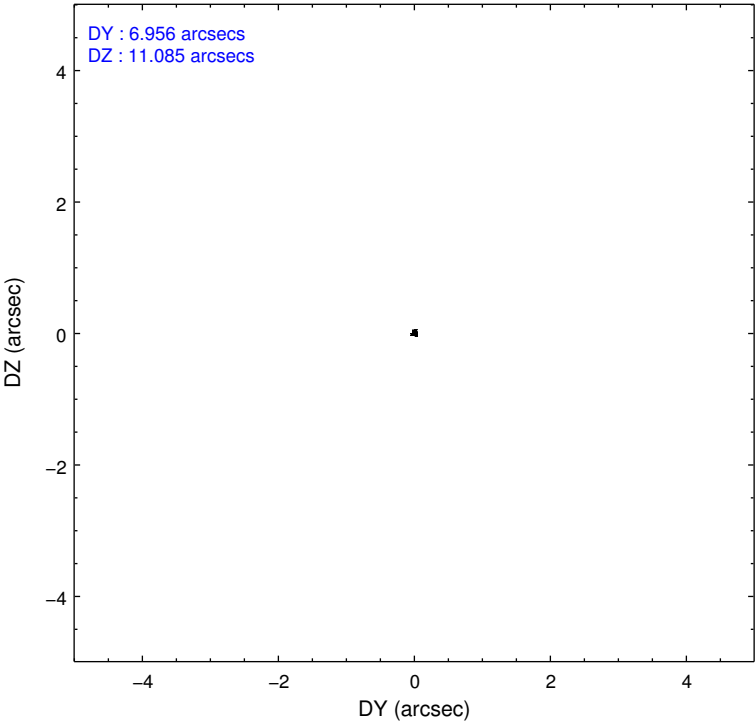
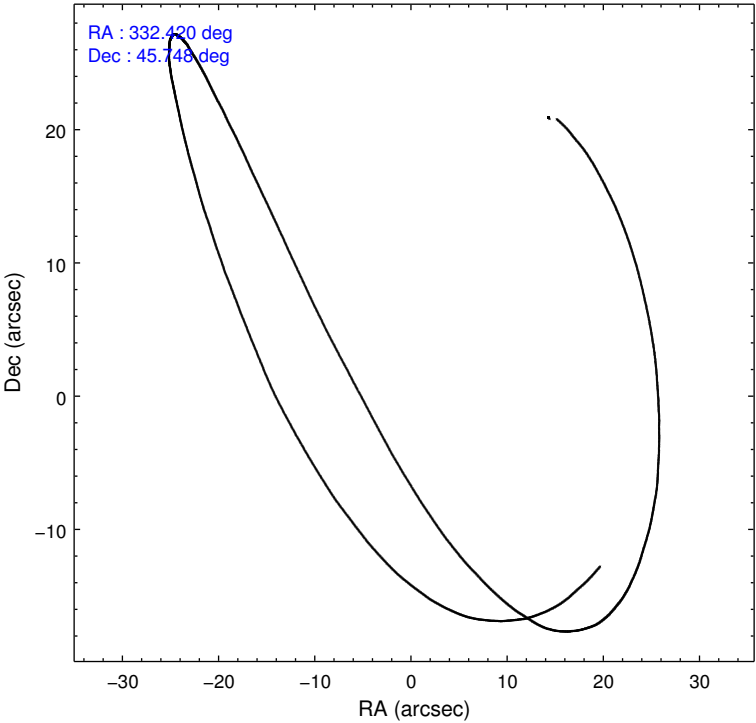
Level 1 Events

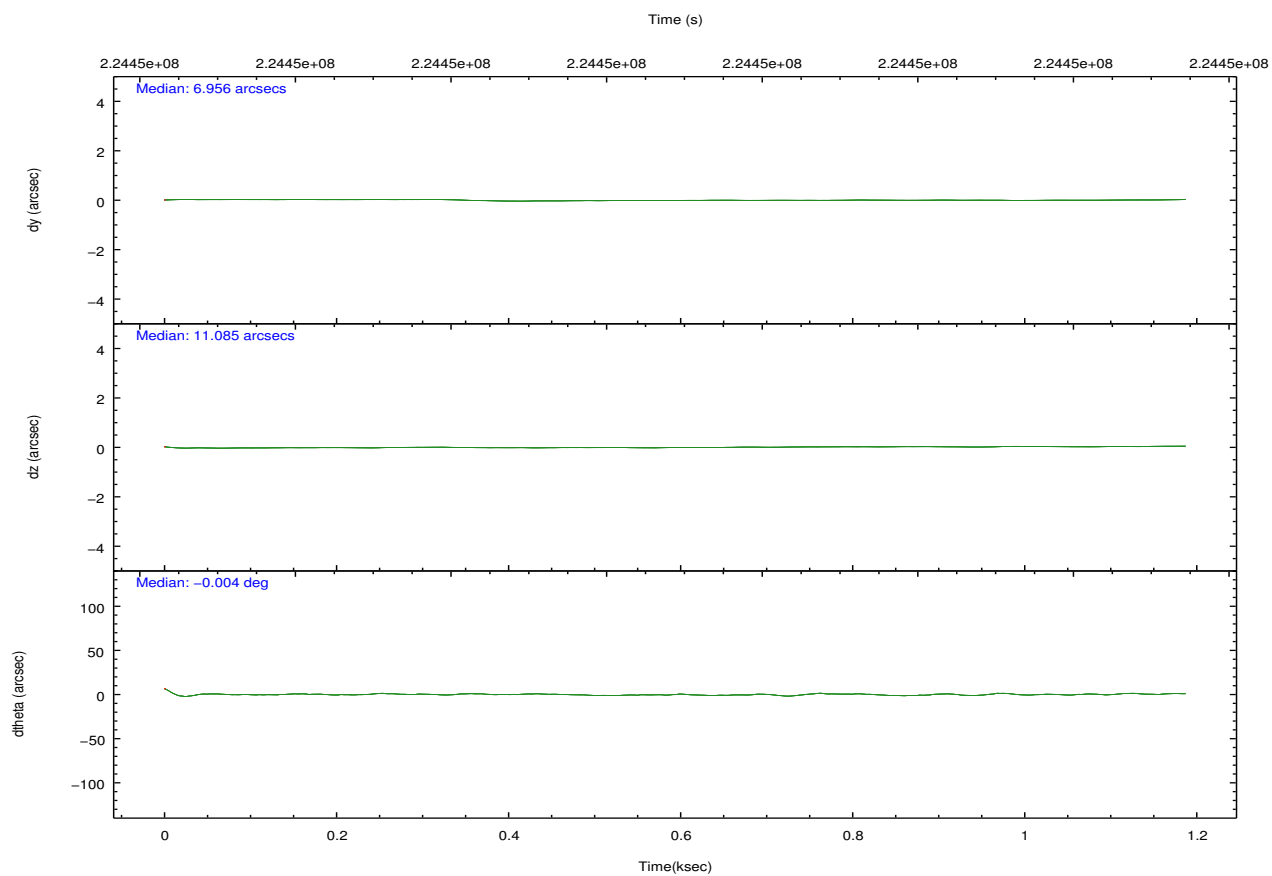
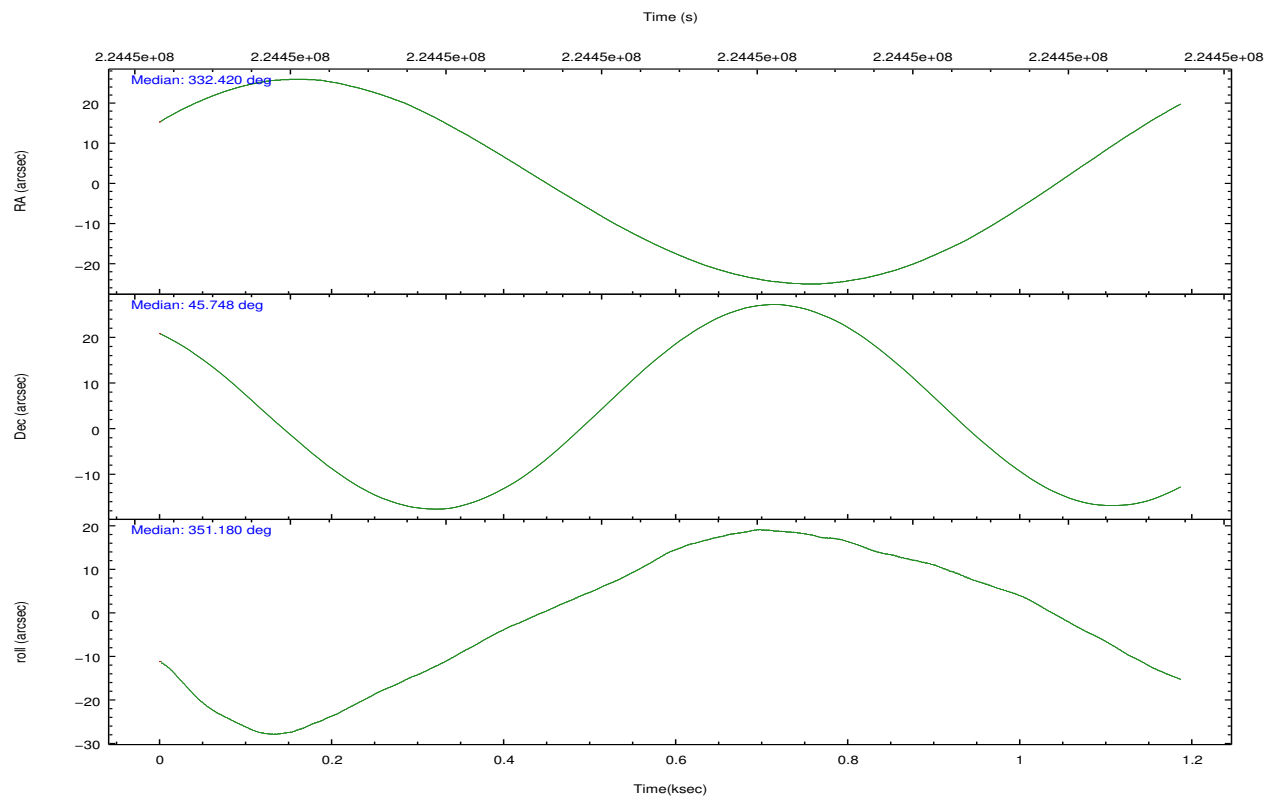
	segment 1	segment 2	segment 3
level 1 events	709	75492	713
rejected events	709	17093	712
rejected %	100%	22%	99%

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	332.382498	332.4202392144762			
[deg] Pointing Dec	45.737273	45.74828578834372			
[deg] Pointing Roll	351.143502	351.1837805801111			
[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)	224447883.184000	224447506.93353			
Observation start date	2005-02-10T18:36:59	2005-02-10T18:31:46			
[s] Observation end time (MET)	224448883.184000	224449016.7586			
Observation end date	2005-02-10T18:53:39	2005-02-10T18:56:56			

2.3 Aspect



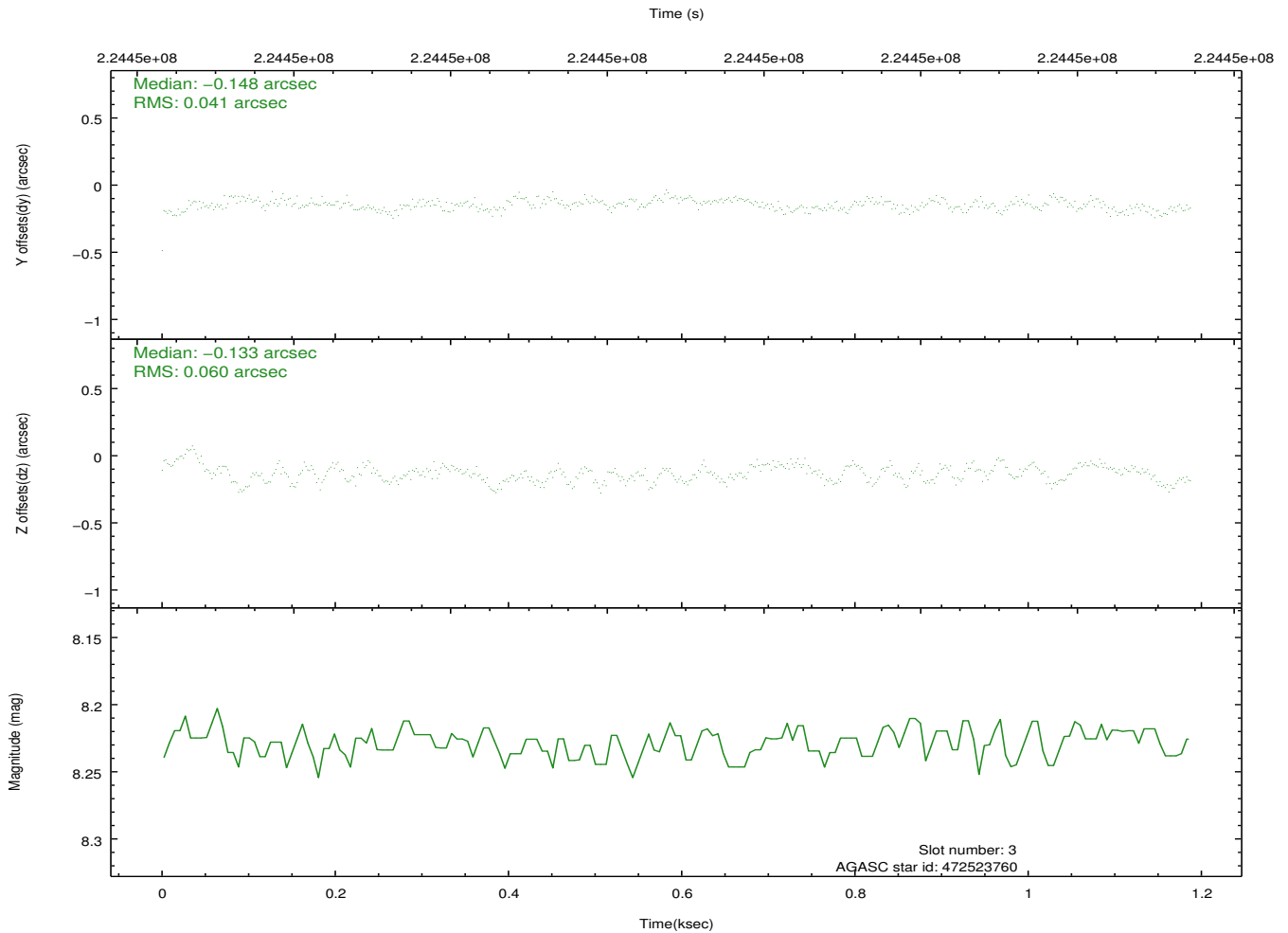
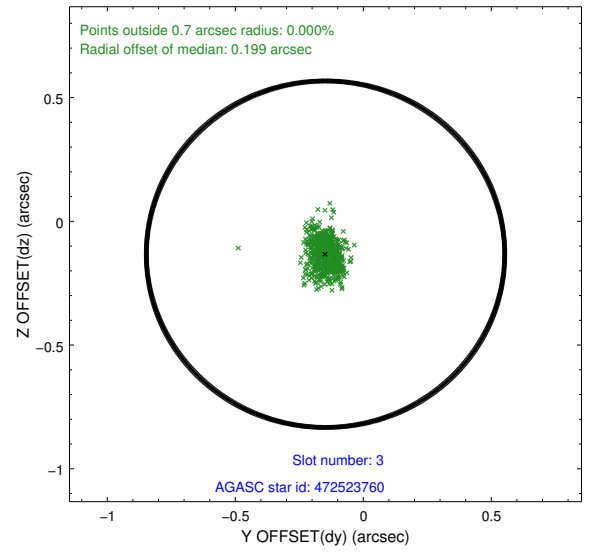
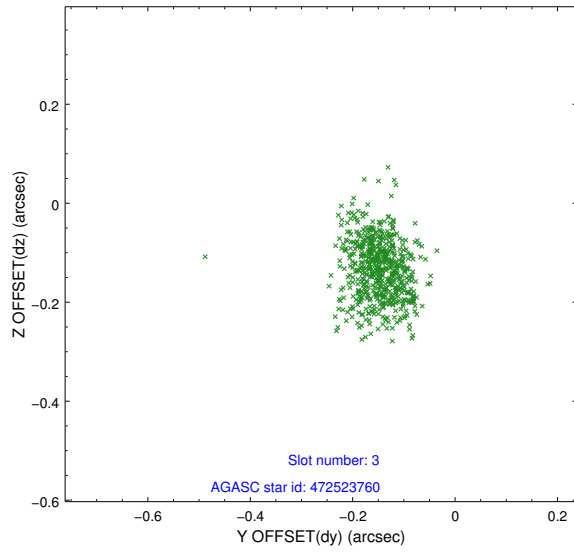


Slot Statistics

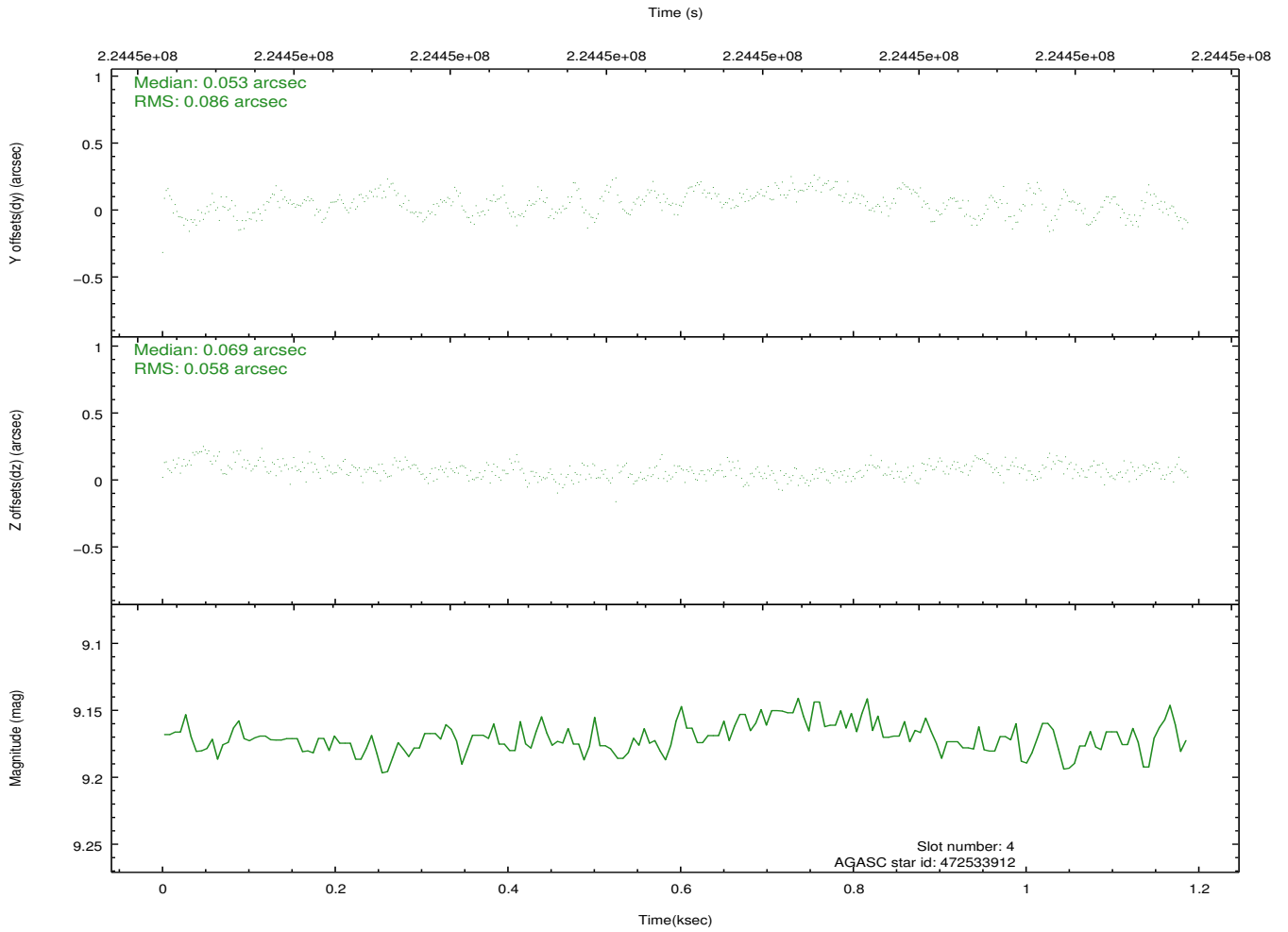
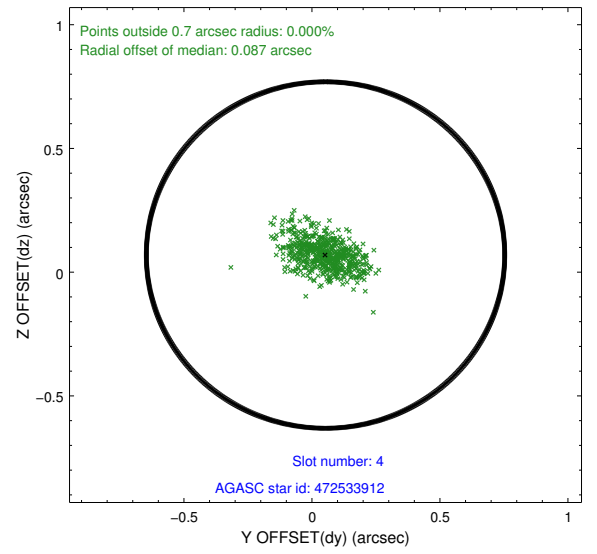
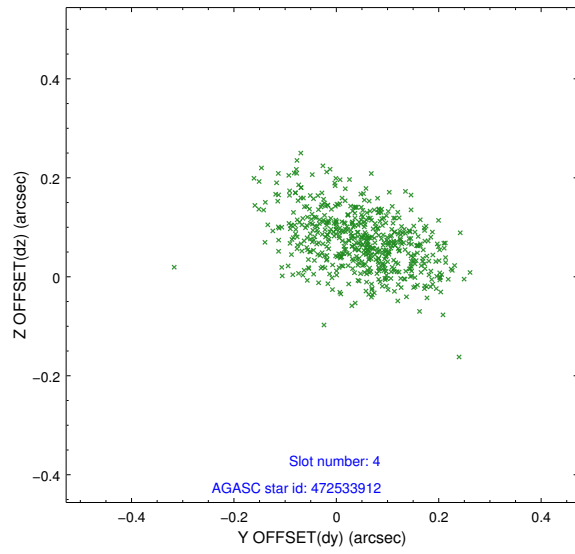
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.01	290	0.158	-0.206	0.010	0.018	0.000000	0.000000	1238.61	-452.48
1	FID	HRC-S-3	7.03	290	0.076	-0.088	0.005	0.010	0.000000	0.000000	-1159.61	568.23
2	FID	HRC-S-4	6.98	290	0.172	-0.001	0.010	0.018	0.000000	0.000000	1233.20	574.41
3	GUIDE	472523760	8.23	580	-0.148	-0.133	0.075	0.123	331.645363	45.403260	-1658.37	-1464.51
4	GUIDE	472533912	9.17	579	0.053	0.069	0.109	0.182	331.791136	46.368695	-1806.42	2025.02
5	GUIDE	472655152	9.43	580	0.077	-0.033	0.124	0.189	332.504239	45.862991	227.71	500.14
6	GUIDE	472660976	8.60	580	0.144	0.163	0.070	0.110	333.433329	46.196713	2329.37	2058.15
7	GUIDE	472665256	9.01	578	-0.117	-0.052	0.096	0.151	332.808125	46.195041	796.58	1800.25

2.4 Star Slots

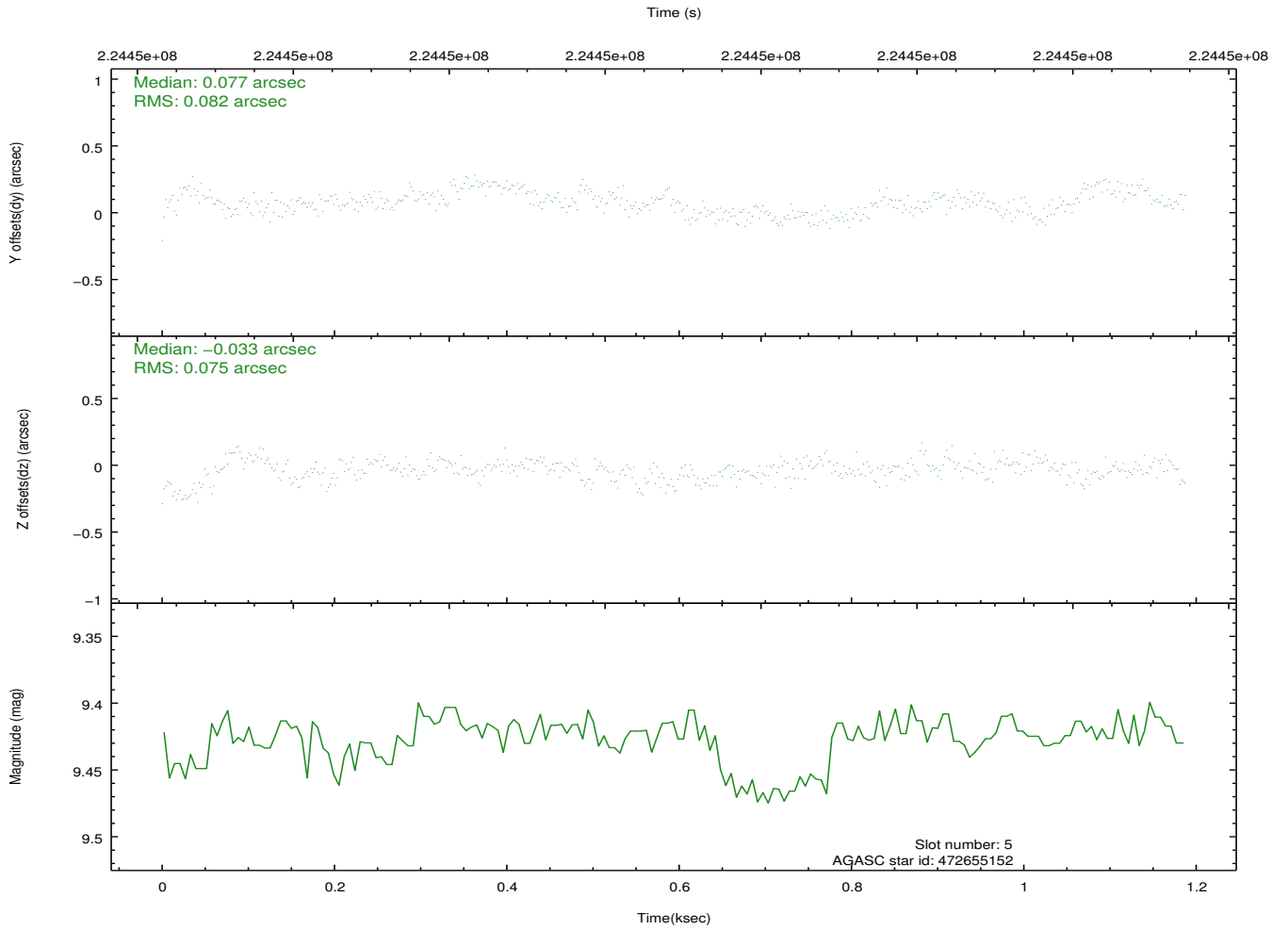
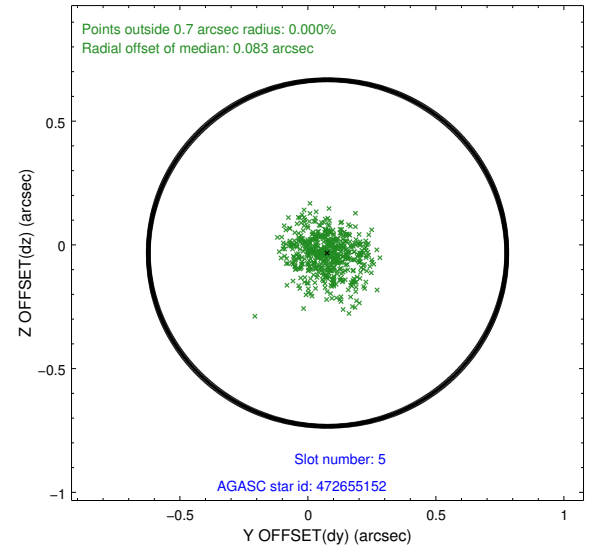
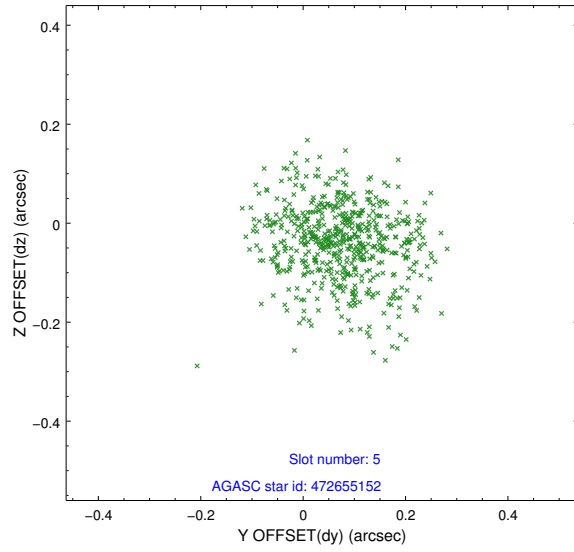
2.4.1 Slot 3



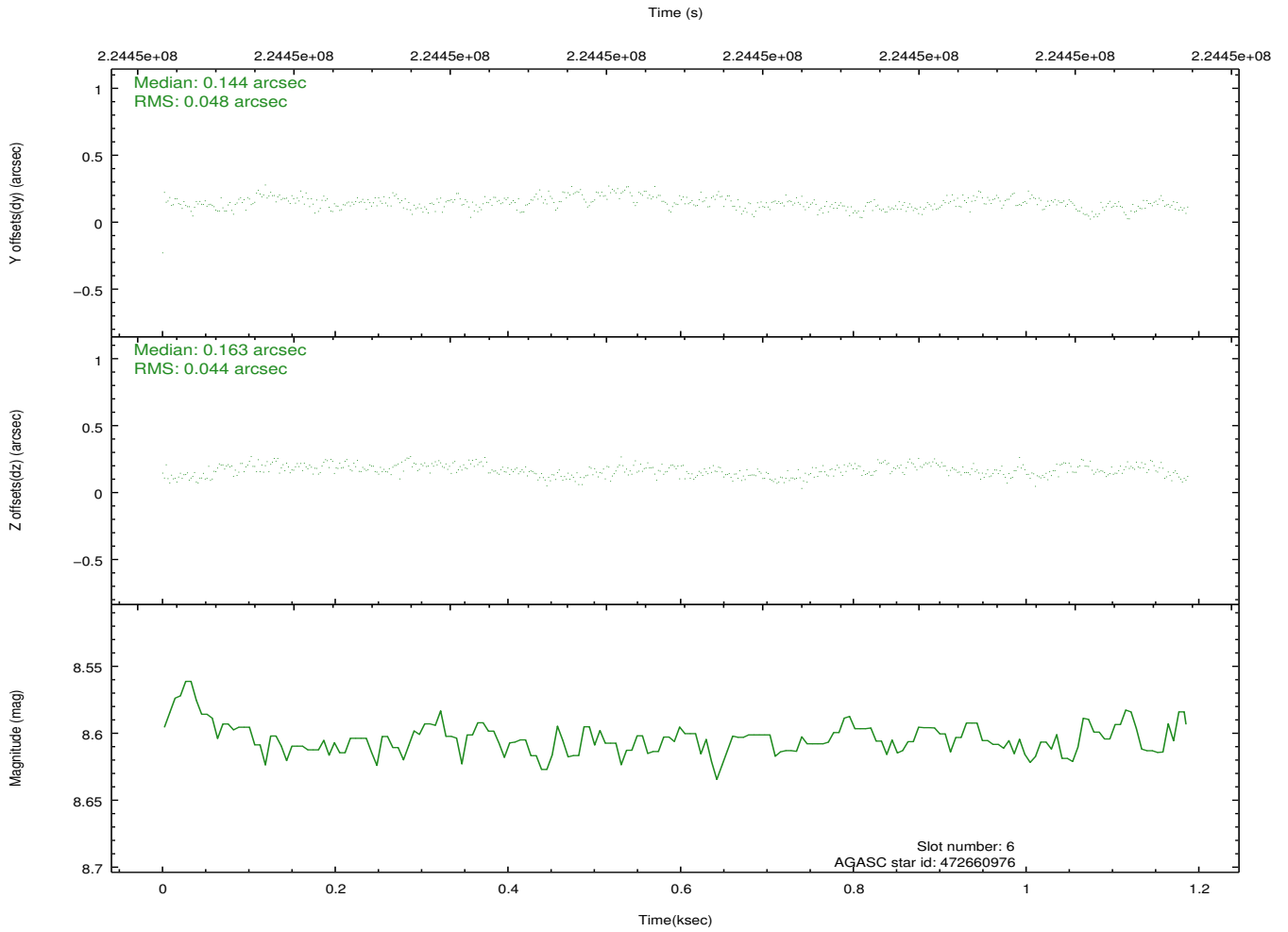
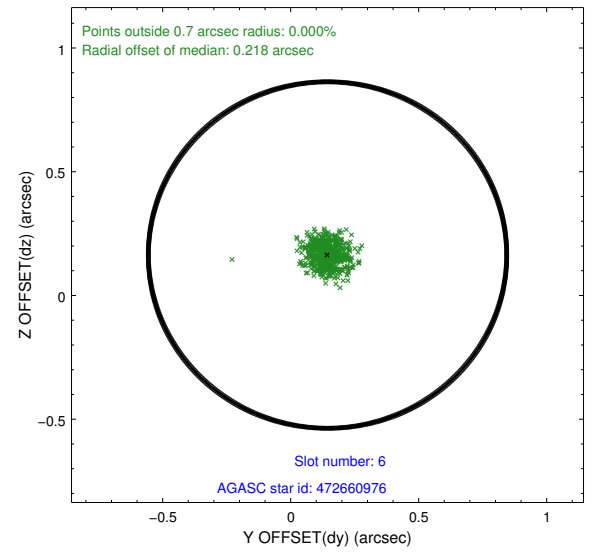
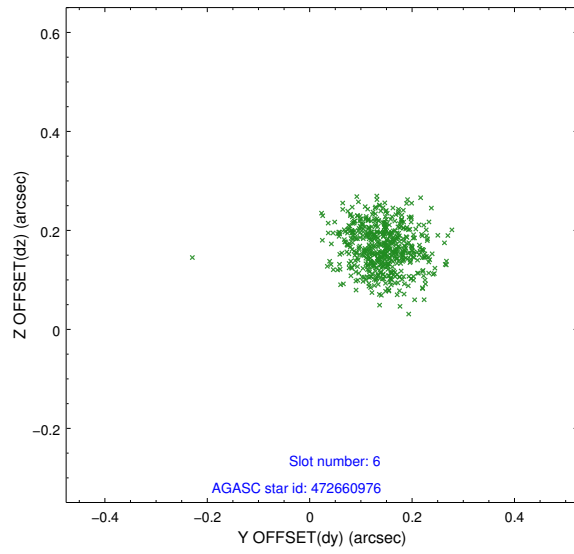
2.4.2 Slot 4



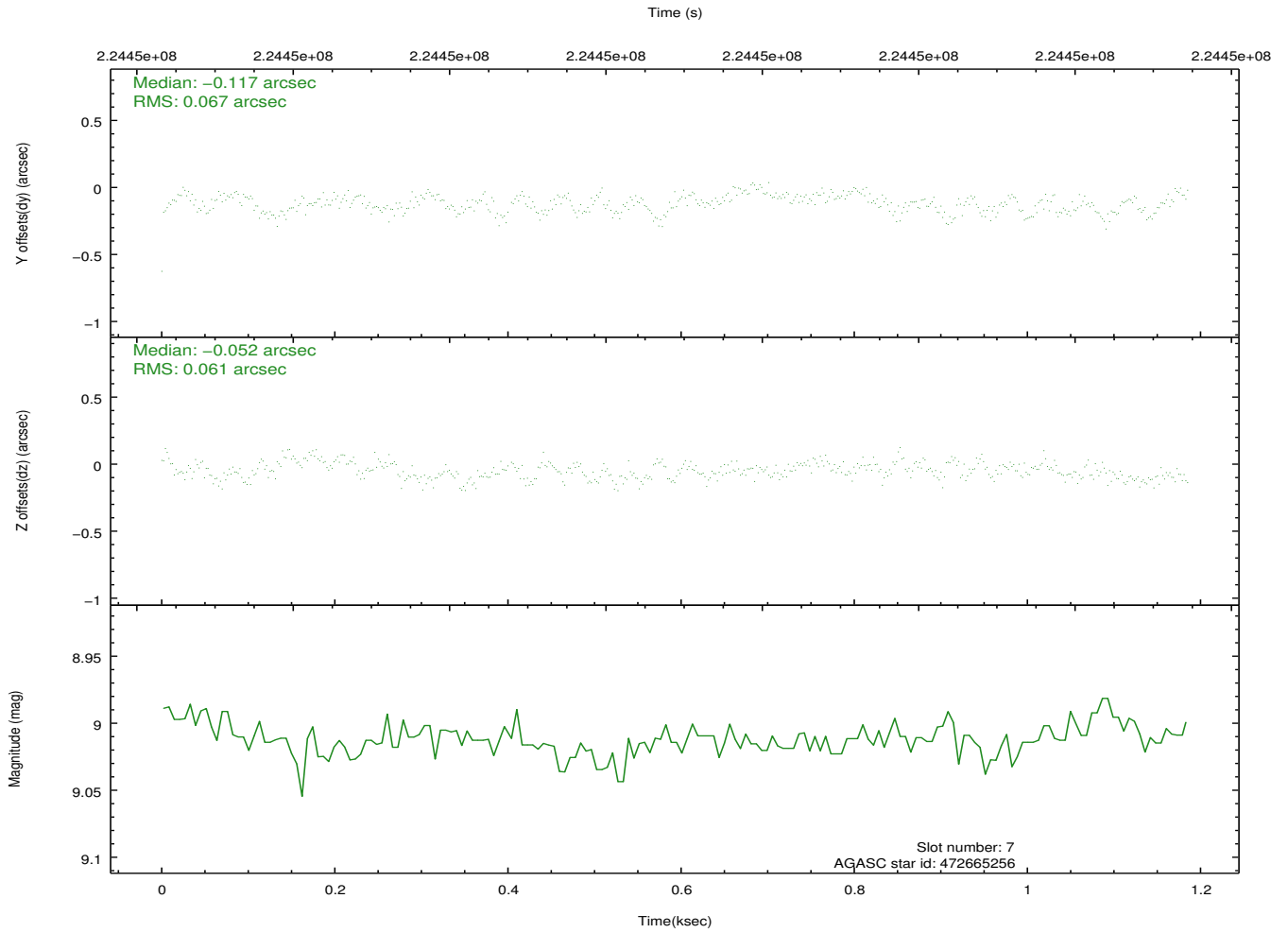
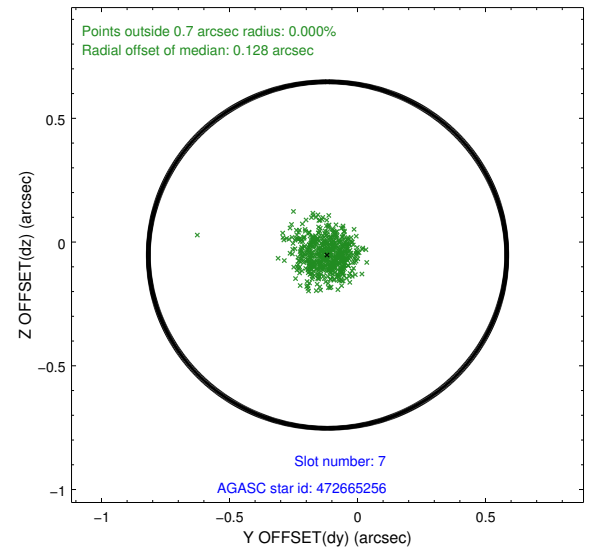
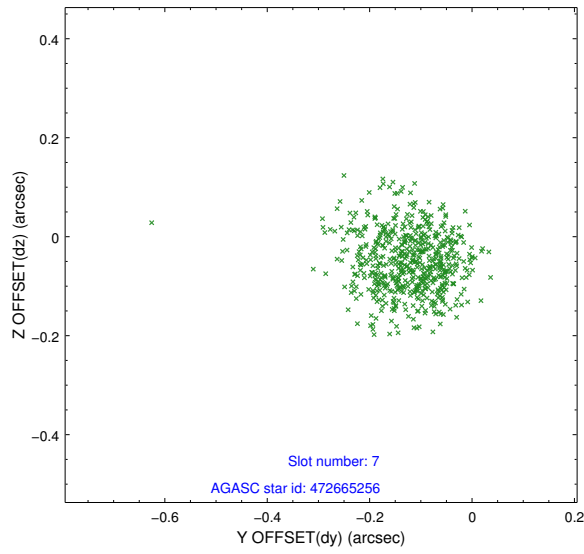
2.4.3 Slot 5



2.4.4 Slot 6

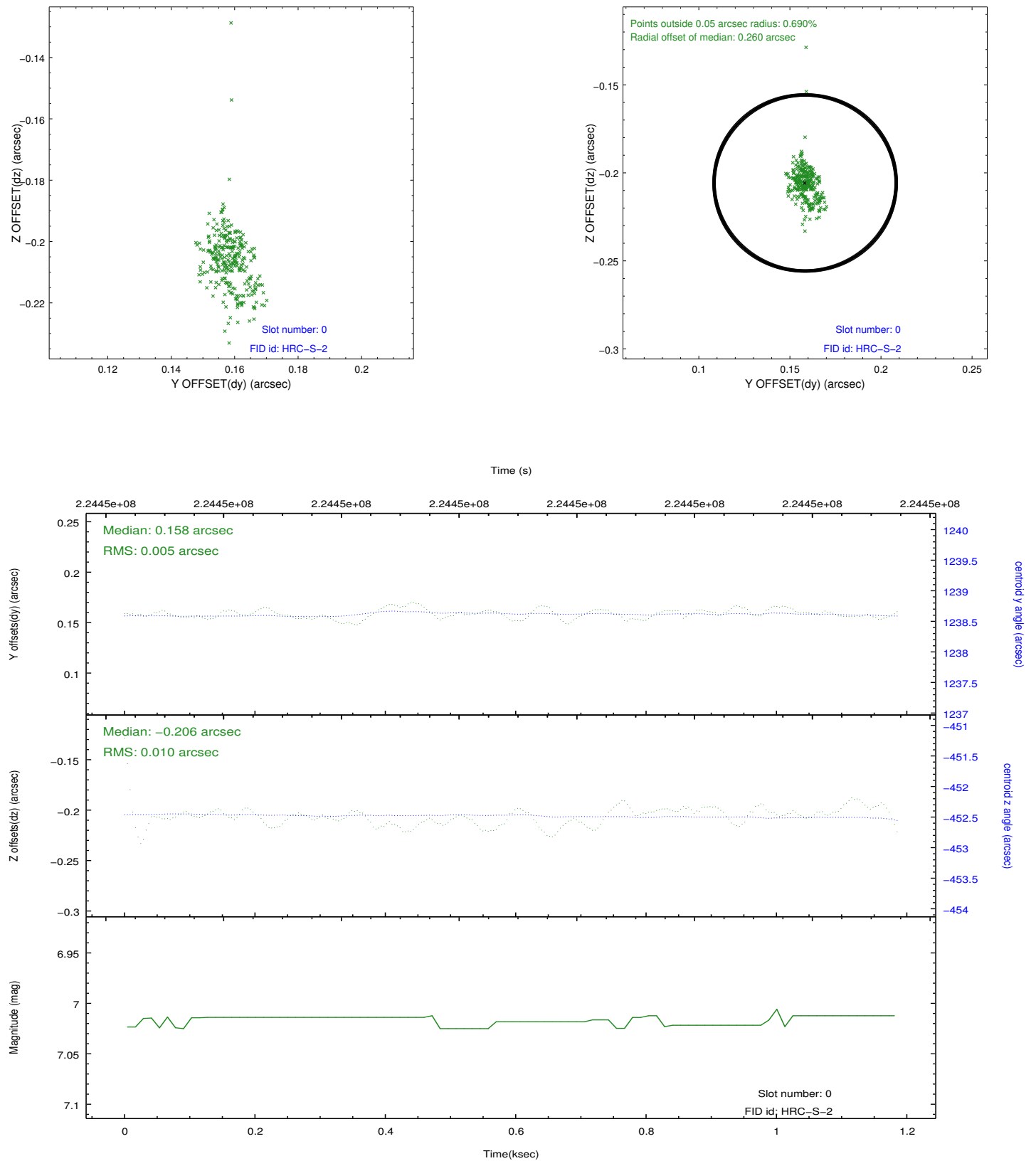


2.4.5 Slot 7

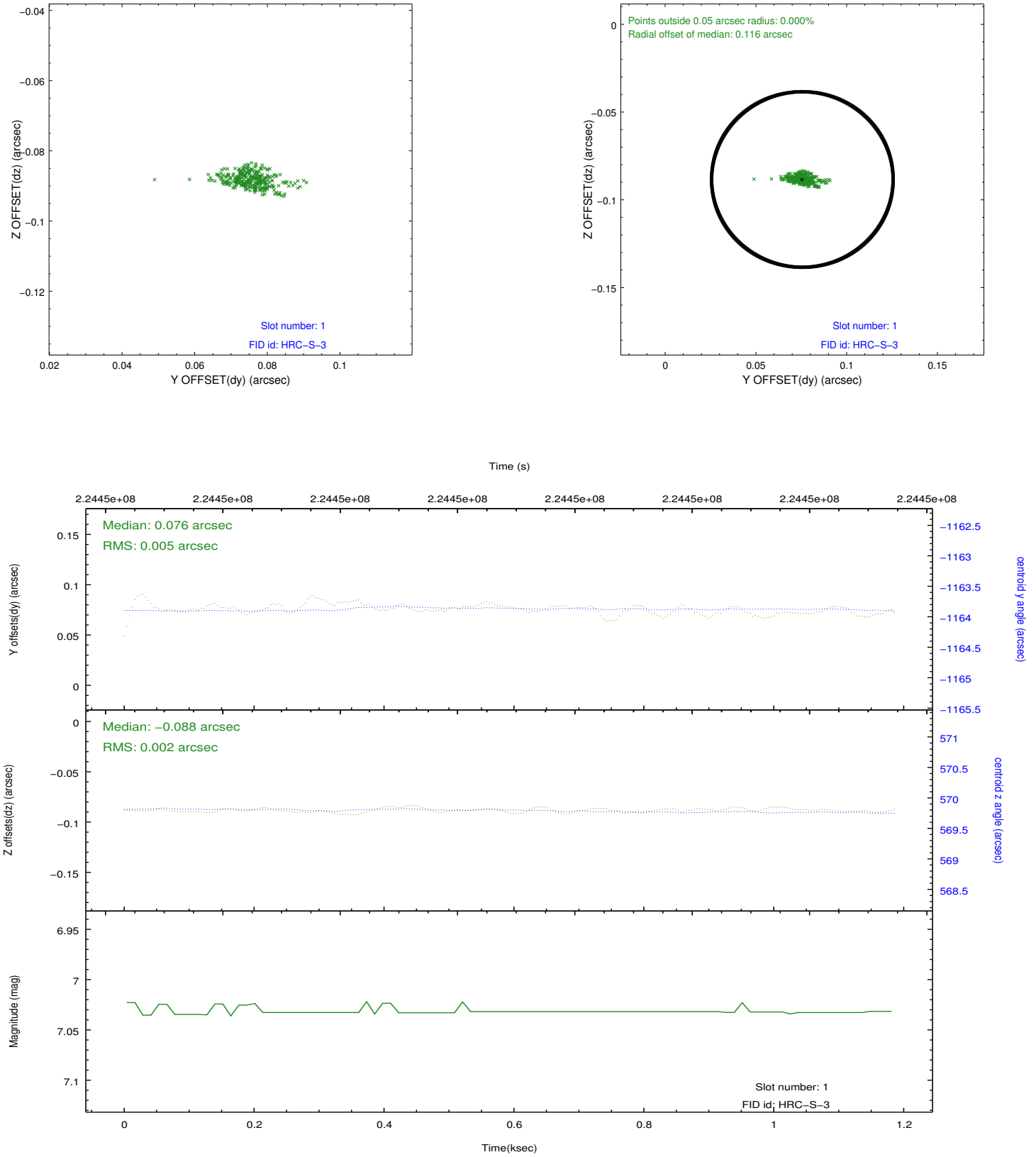


2.5 FID Slots

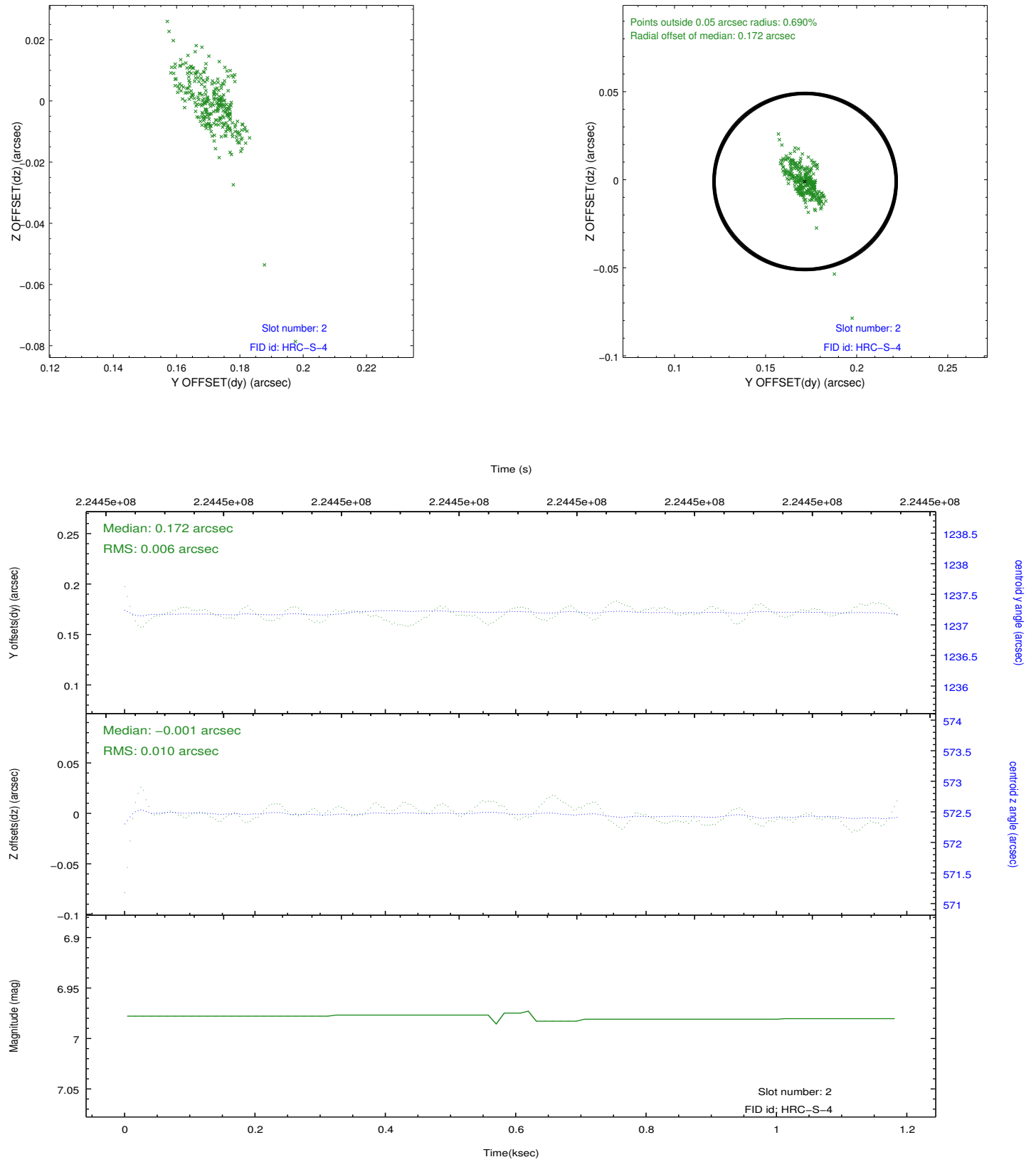
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.157481

A.2 Comments