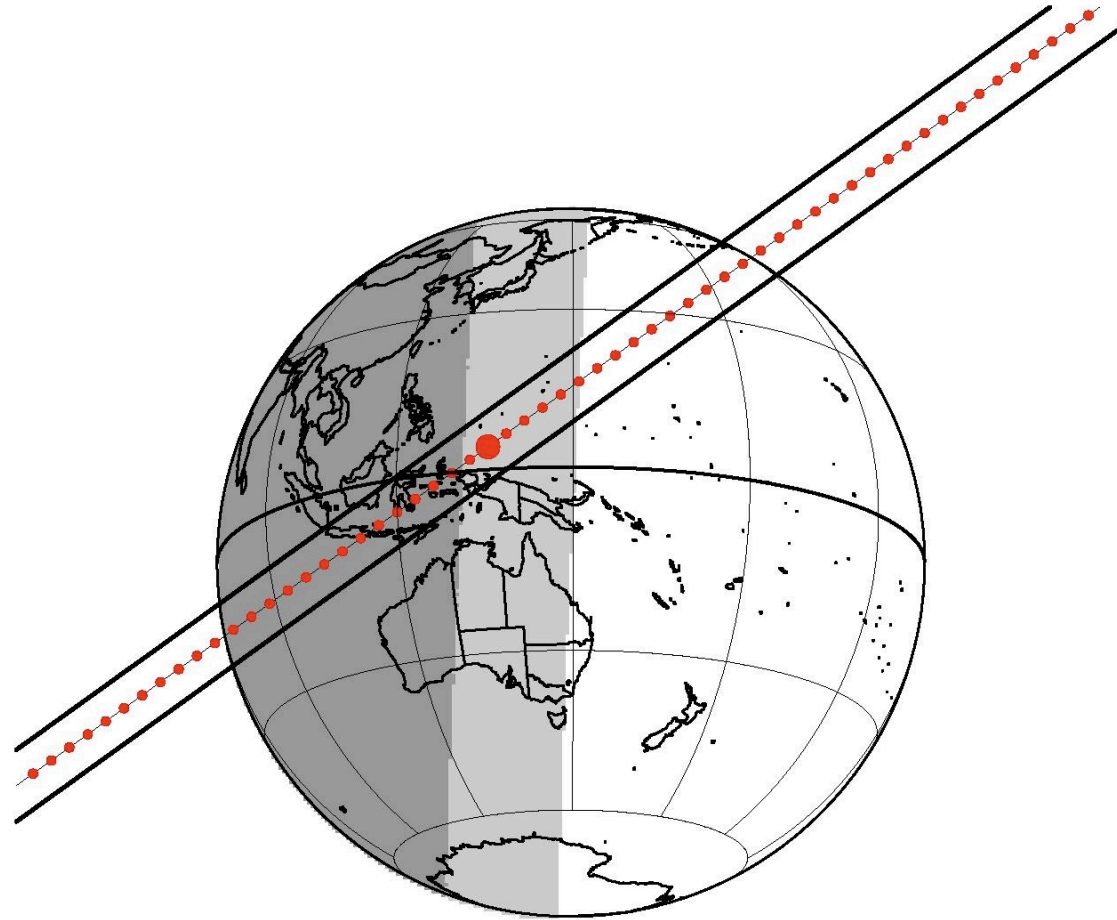


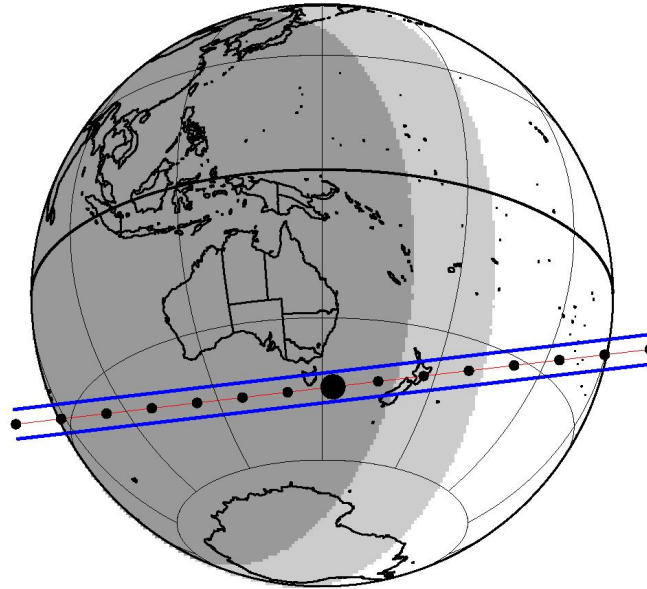
Quaoar: Star WFI, postOcc-JPL#21

Offset (mas): -88.0 -39.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
13	03	2012	20 09 45.	17 35 20.2157	-15 38	4.522	0.082	324.33	6.73	43.10	16.5	13.8	150.

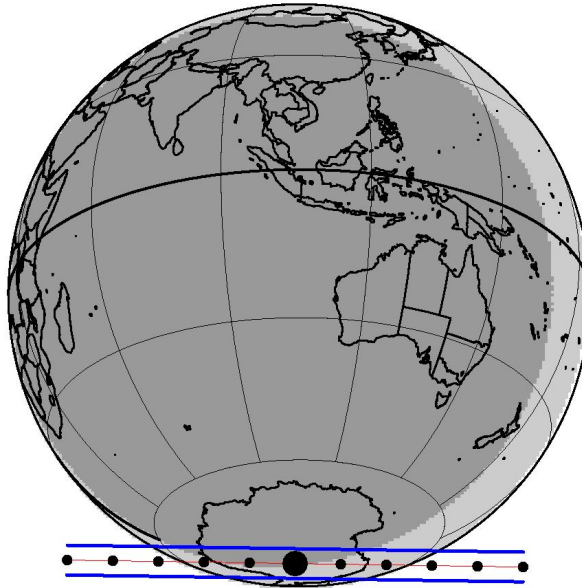
-lxion- dots each 1000km or 77.04s <<>> offsets (mas) 20.0 191.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
14	04	2012	17 39 30.0	17 12 30.9108	-25 34 04.105	0.069	173.27	-12.98	40.34	17.8	14.8	150	

Credits: Rio Team & B. Sicardy

-lxion- dots each 1000km or 40.68s <<>> offsets (mas) 20.0 191.0

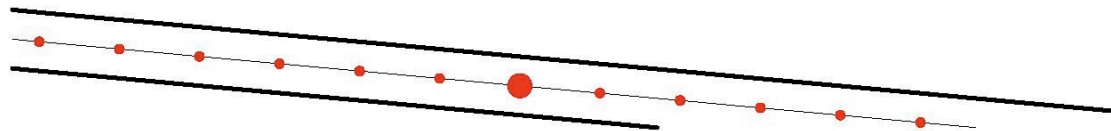
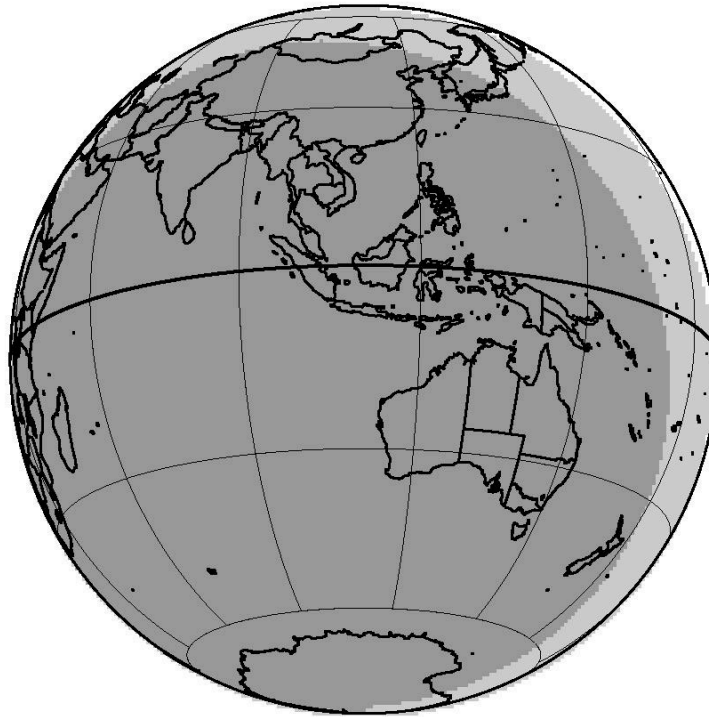


d	m	year	h:m:s UT	ra_dec_J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
27	05	2012	17 44 25.0	17 09 23.1573 -25 35 11.671	0.203	180.86	-24.58	39.92	15.1	12.6	106

Credits: Rio Team & B. Sicardy

Quaoar: Star WFI, postOcc-JPL#21

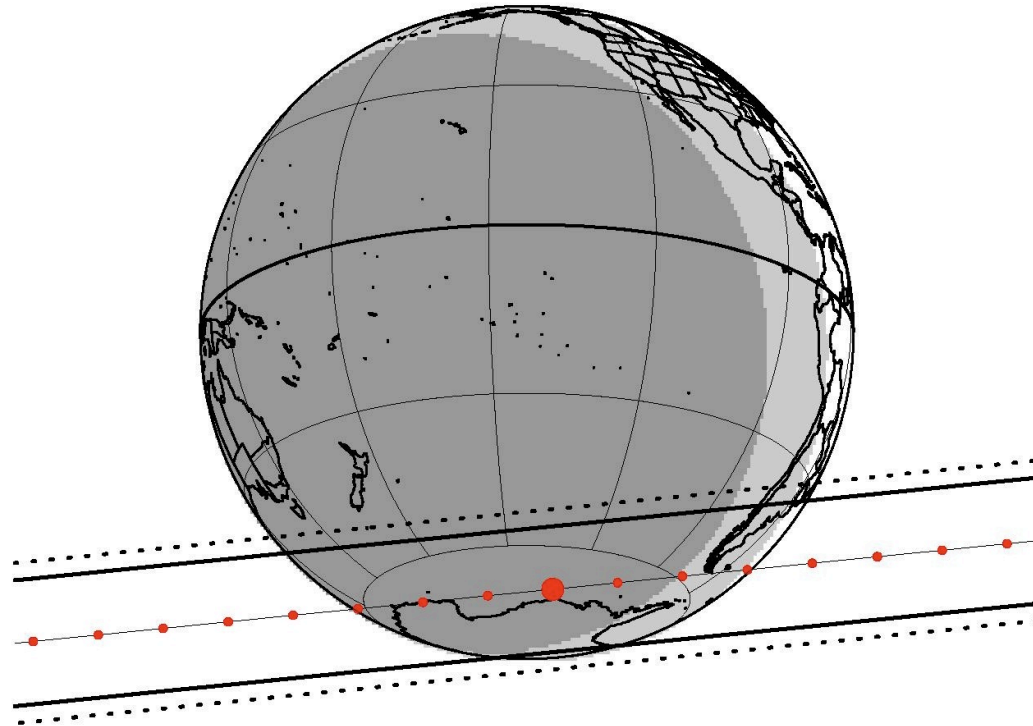
Offset (mas): -88.0 -39.0



d	m	year	h:m:s	UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
01	06	2012	17	27	3.	17	32 11.4119	-15	24	30.111	0.304	185.24	-24.17	42.11 13.9 11.0 111.

Pluto: Star WFI ESO2p2, PLU21-DE413/BS

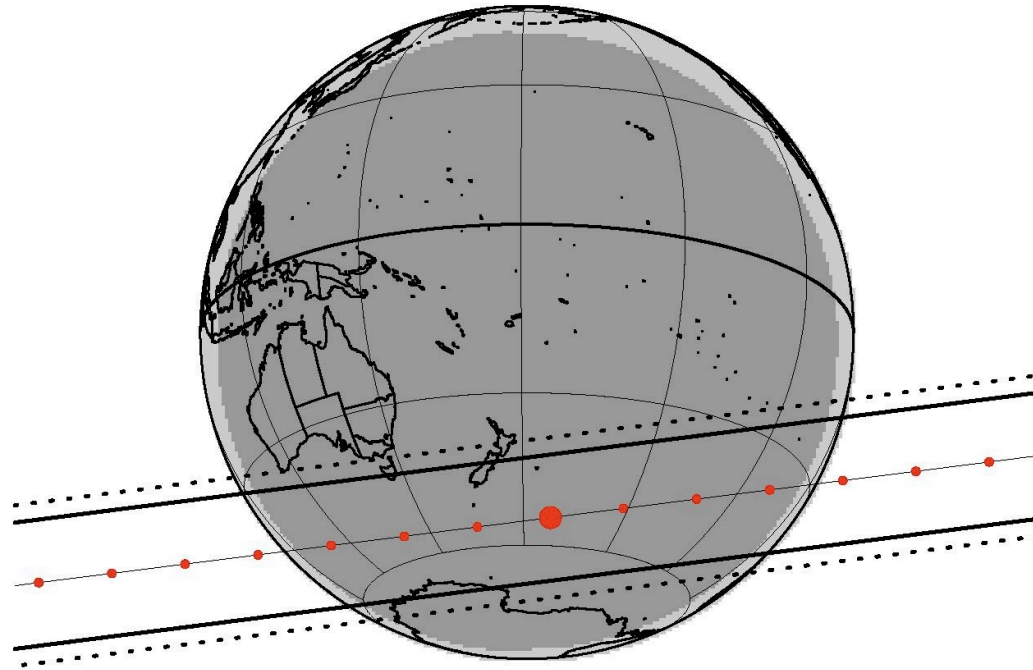
Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra__dec__J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
04	06	2012	11 16 46.	18 36 45.9280 -19 16 17.753	0.222	174.27	-21.23	31.32	14.9	7.7	-143.

Pluto: Star WFI ESO2p2, PLU21-DE413/BS

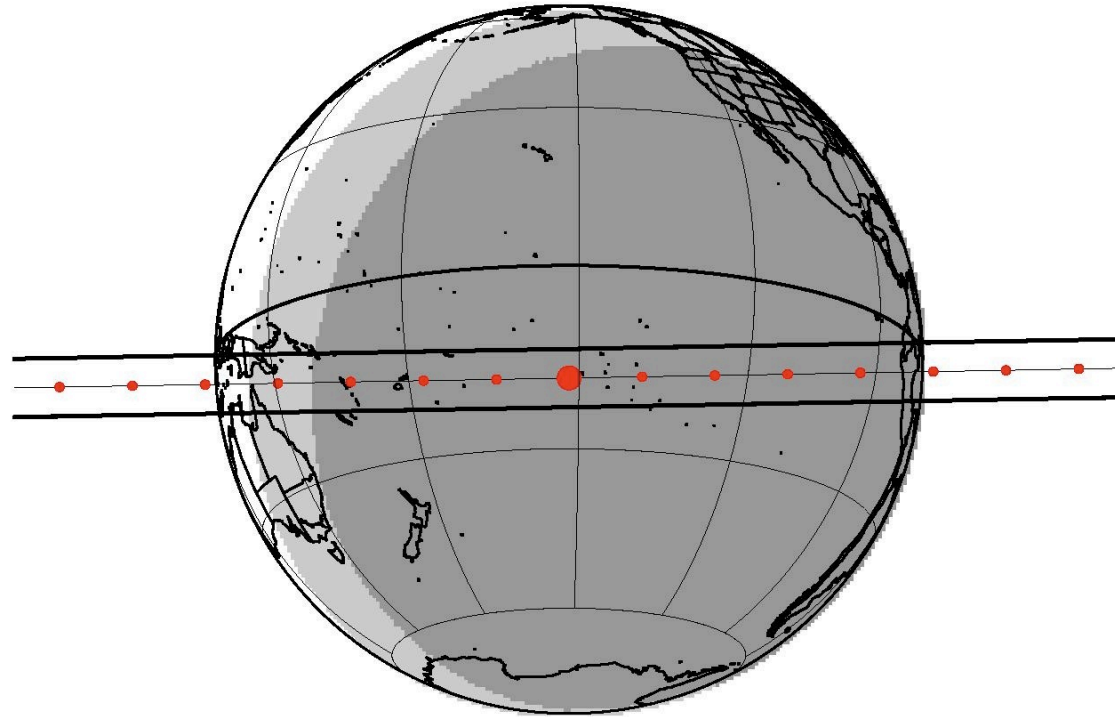
Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
29	06	2012	11 58 18.	18 34	11.6998	-19 20 26.233	0.161	172.76	-23.98	31.24	14.7	10.6	-179.

Quaoar: Star WFI, postOcc-JPL#21

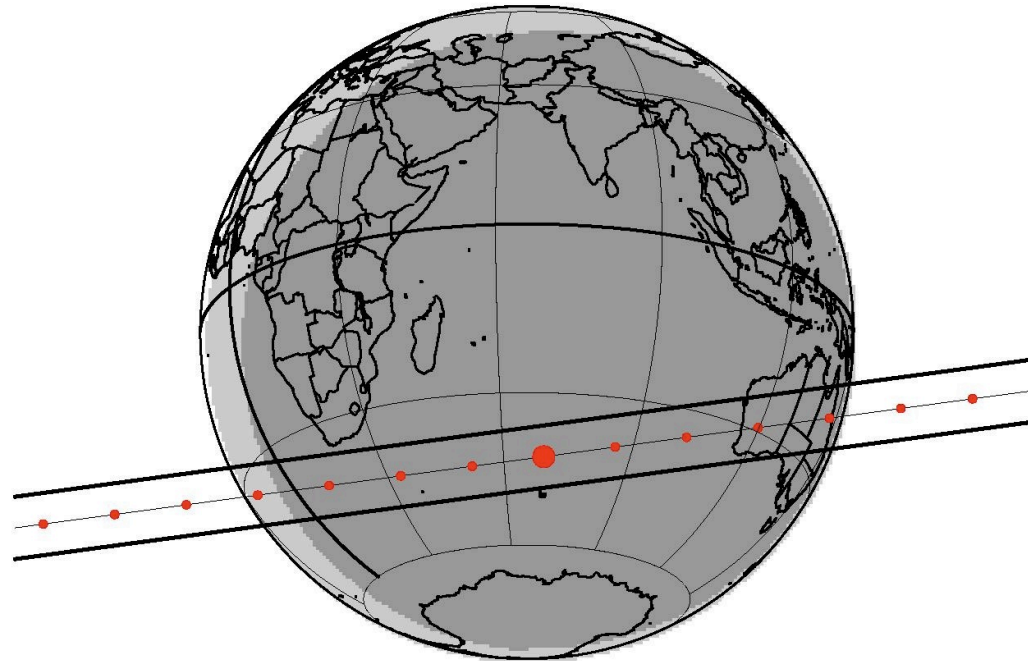
Offset (mas): -88.0 -39.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
10	07	2012	08 21 30.	17 29	9.9587	-15 22 47.453	0.011	178.98	-21.88	42.18	16.6	13.7	-152.

Charon: Star WFI ESO2p2, DE413/BS

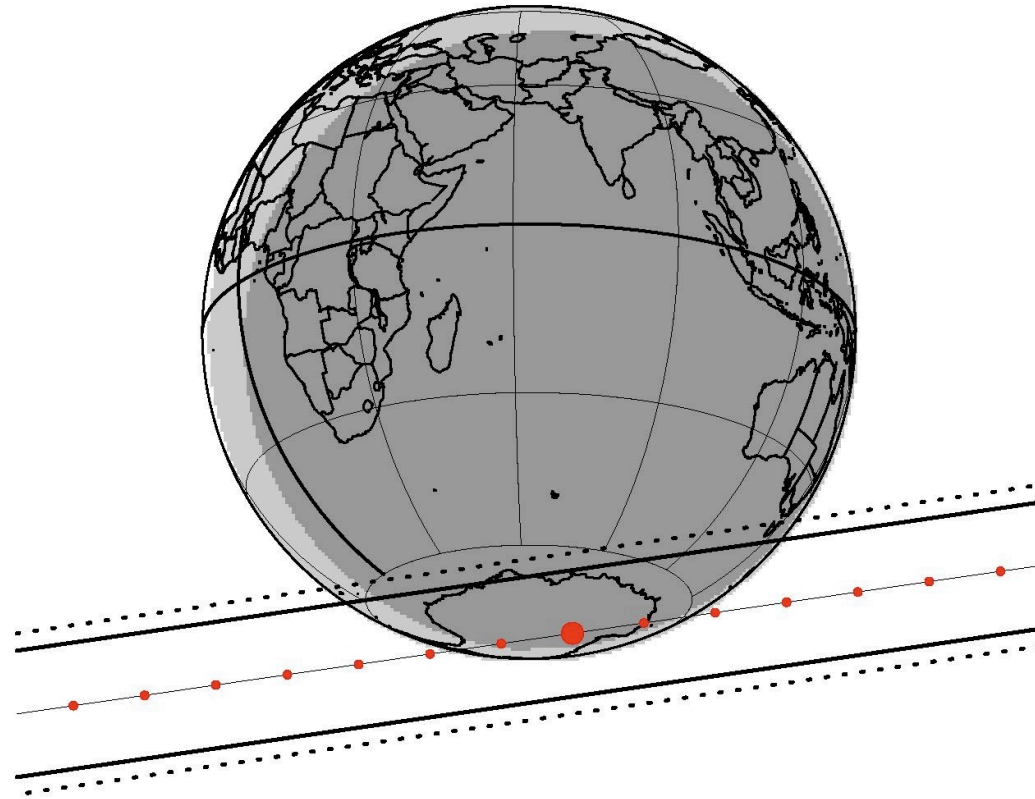
Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
10	07	2012	18 54 41.	18 32 59.9425	-19 22 43.133	0.108	172.32	-23.47	31.26	15.7	13.5	65.	

Pluto: Star WFI ESO2p2, PLU21-DE413/BS

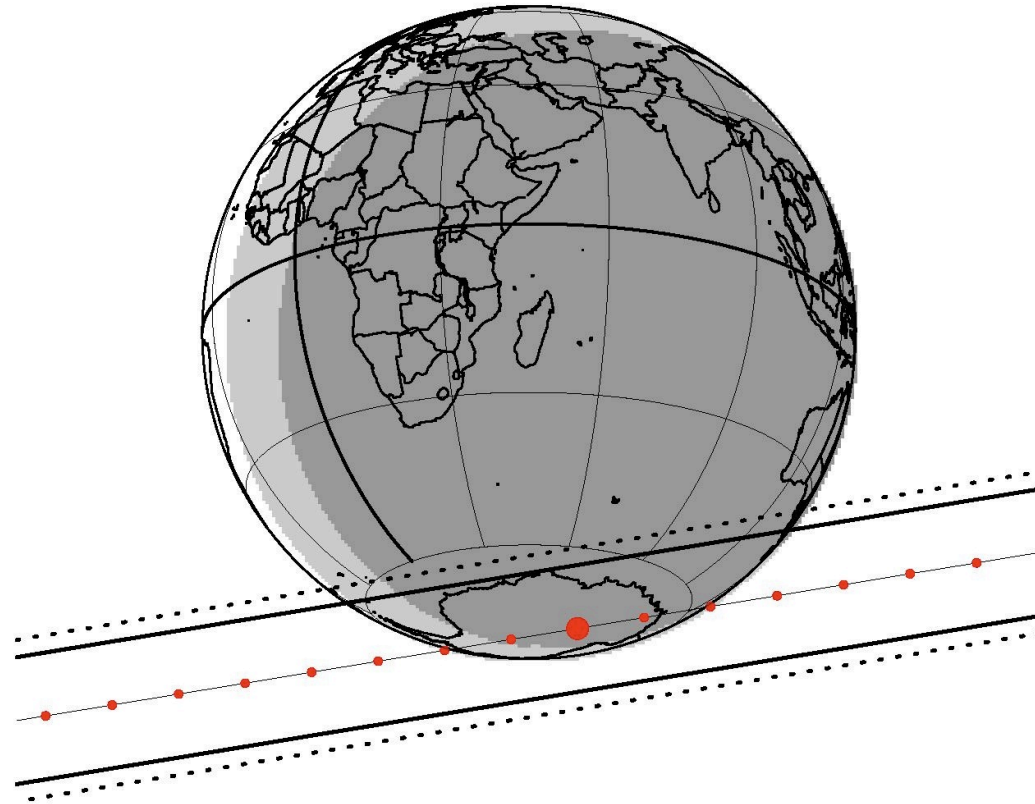
Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
10	07	2012	19 05 41.	18 32 59.9425	-19 22 43.133		0.262	171.75	-23.45	31.26	15.7	13.5	63.

Pluto: Star WFI ESO2p2, PLU21-DE413/BS

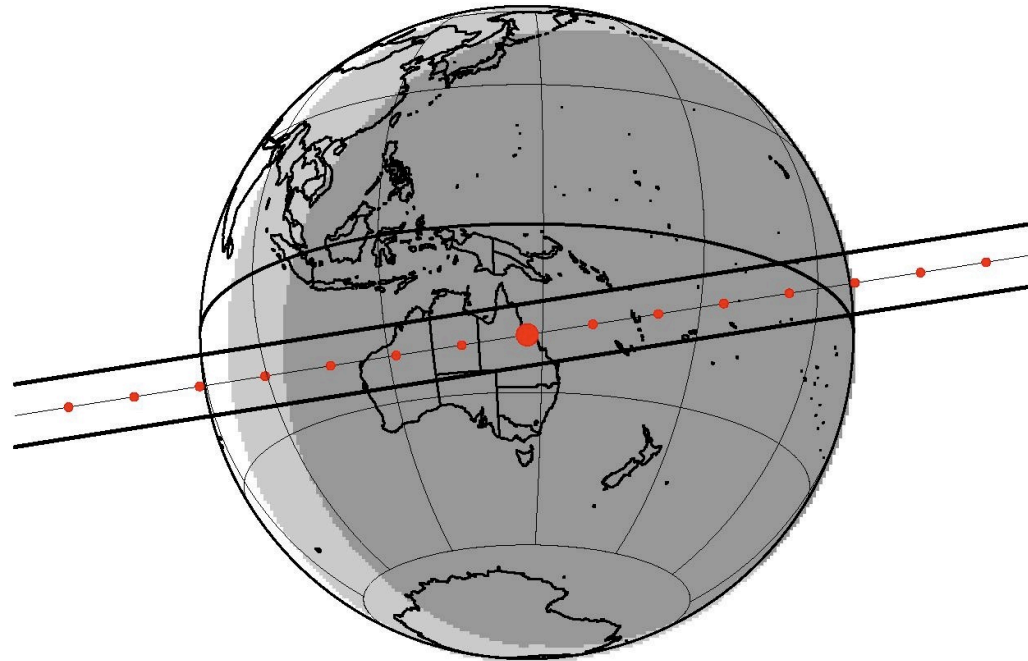
Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long	
21	07	2012	19 28 57.	18 31	53.1887	-19 25	7.518	0.258	170.66	-21.93	31.32	13.1	11.2	46.

Charon: Star WFI ESO2p2, DE413/BS

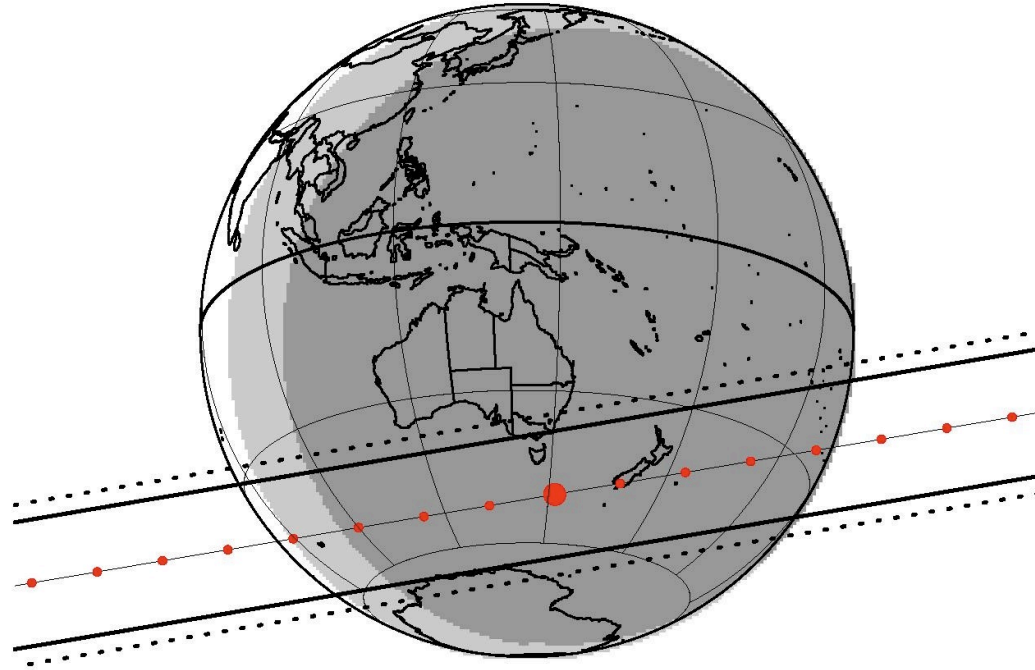
Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
23	07	2012	12 36 48.	18 31	43.2599	-19 25 31.043	0.002	171.02	-21.59	31.34	16.2	11.8	147.

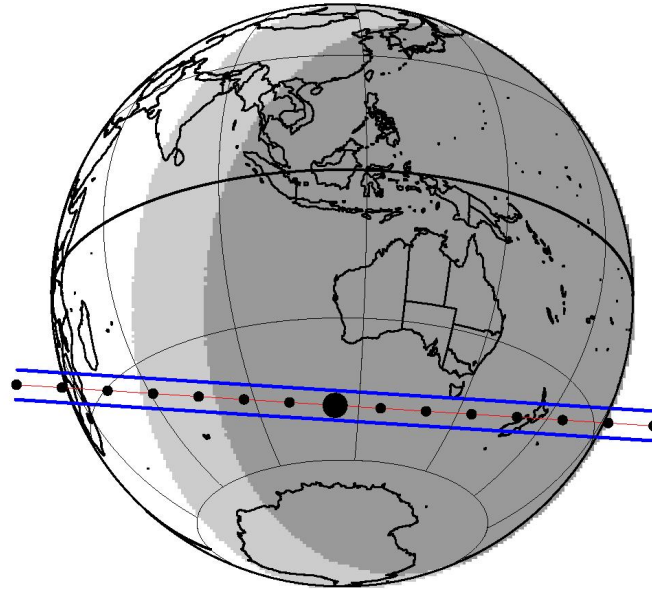
Pluto: Star WFI ESO2p2, PLU21-DE413/BS

Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
23	07	2012	12 48 37.	18 31	43.2599	-19 25 31.043	0.143	170.40	-21.57	31.34	16.2	11.8	144.

-lxion- dots each 1000km or 58.69s <<>> offsets (mas) 20.0 191.0

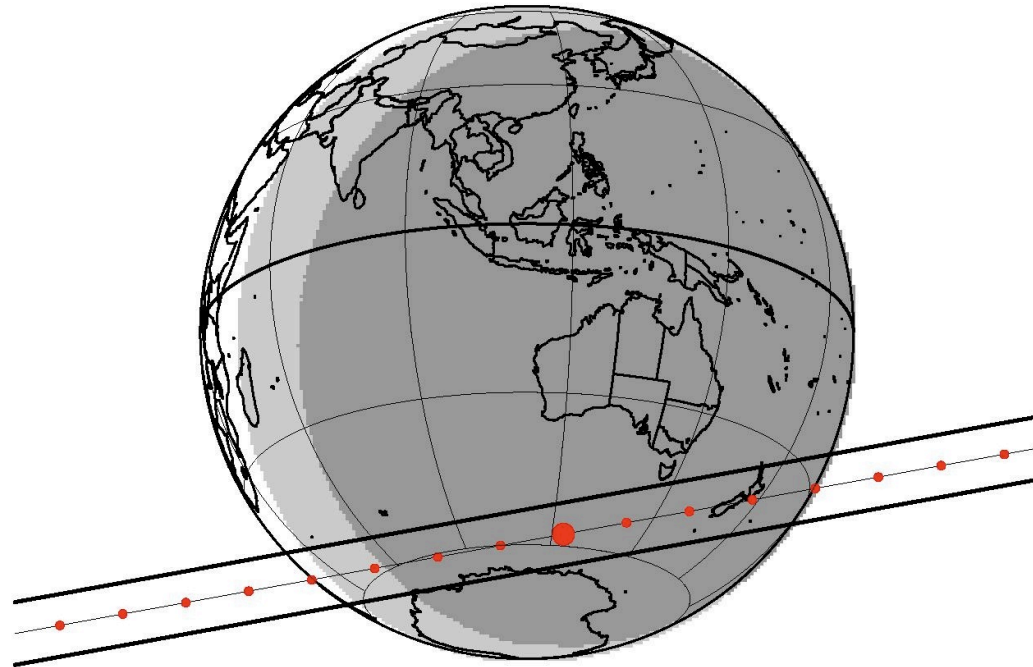


d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
23	07	2012	13 17 30.0	17 04 35.7416	-25 32 26.947	0.083	183.70	-17.04	40.13	16.0	13.8	115	

Credits: Rio Team & B. Sicardy

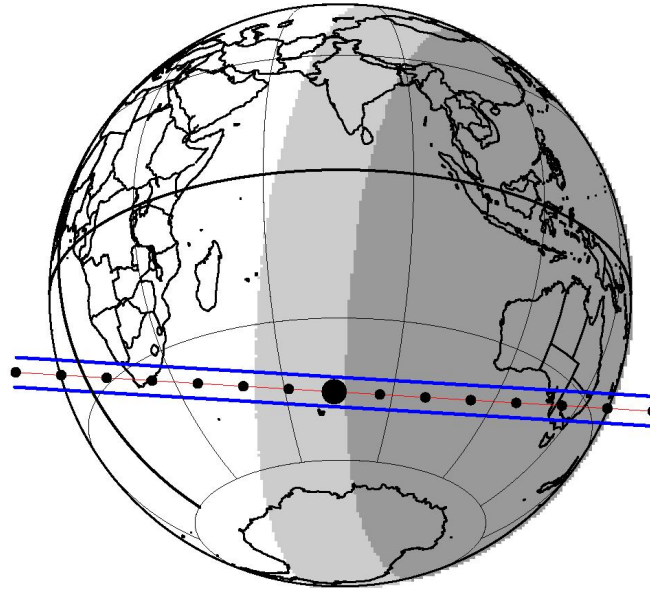
Charon: Star WFI ESO2p2, DE413/BS

Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
27	07	2012	14 41 15.	18 31	20.4449	-19 26 27.440	0.176	169.72	-20.82	31.37	14.3	11.2	112.

-Ixion- dots each 1000km or 257.07s <<>> offsets (mas) 20.0 191.0

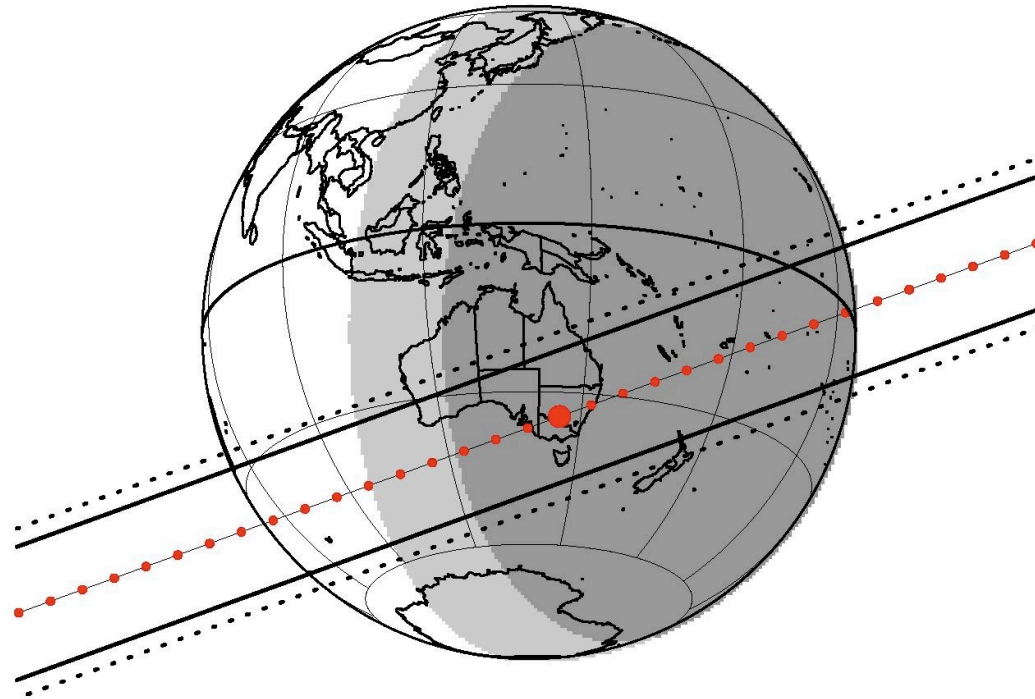


d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
23	08	2012	13 53 03.0	17 03 22.5376	-25 31 19.660	0.072	183.49	-3.89	40.55	15.4	13.1	75	

Credits: Rio Team & B. Sicardy

Pluto: Star WFI ESO2p2, PLU21-DE413/BS

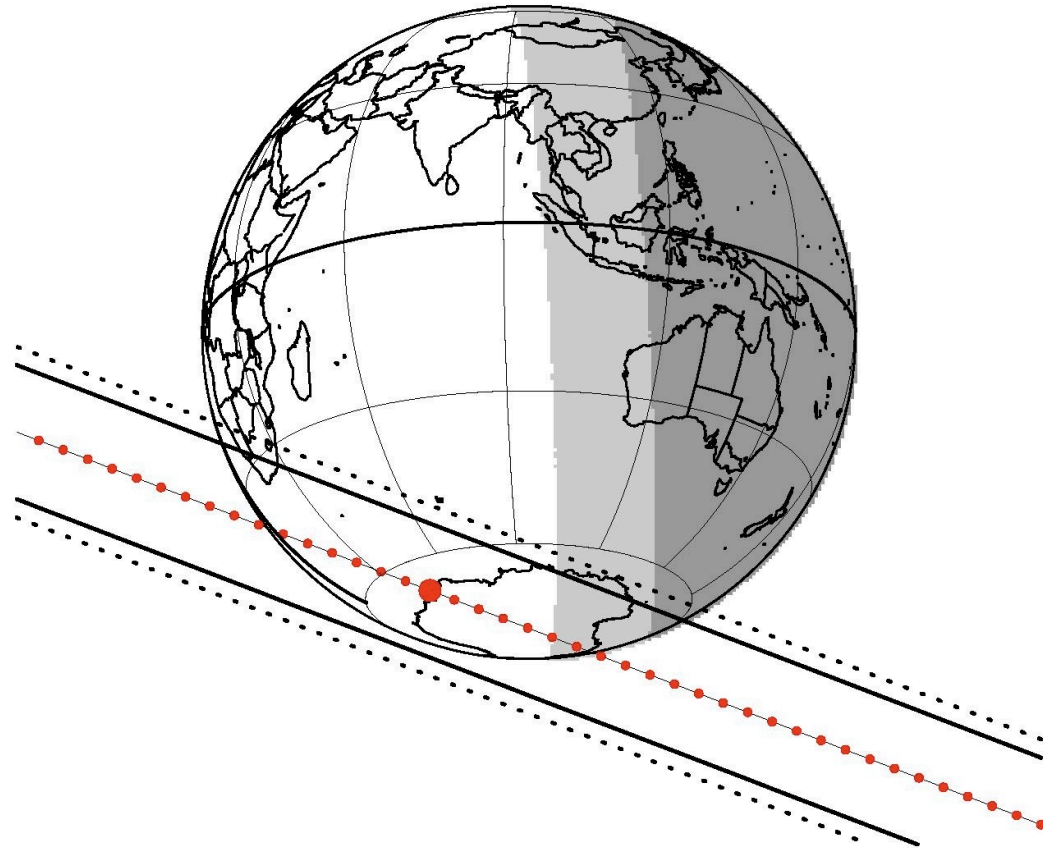
Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
26	08	2012	10 53 13.	18 29 13.9356	-19 33 28.237		0.076	160.05	-11.01	31.72	15.1	11.6	139.

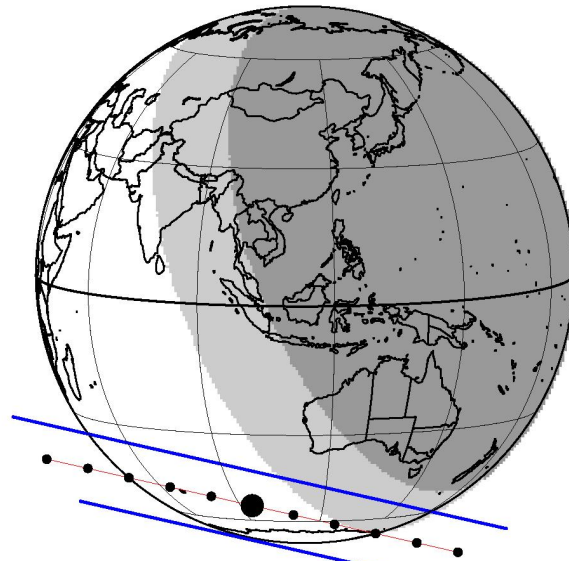
Pluto: Star WFI ESO2p2, PLU21-DE413/BS

Offset (mas): -75.0 187.0



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
03	10	2012	11 20 58.	18 28 58.9596	-19 41 40.206		0.230	200.98	8.52	32.36	14.1	9.3	94.

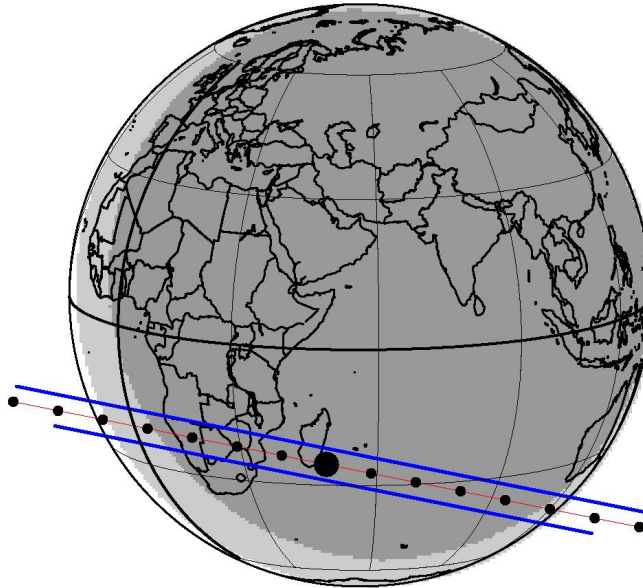
-Sedna- dots each 1000km or 82.71s <> offsets (mas) -43.0 -160.0



d	m	year	h:m:s UT	ra__dec__J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
13	01	2013	12 25 42.0	03 32 44.7063 +06 47 18.988	0.090	192.78	-12.09	86.20	17.4	14.6	114

Credits: Rio Team & B. Sicardy

-2003AZ84- dots each 1000km or 38.83s <<>> offsets (mas) 232.0 6.



d	m	year	h:m:s UT	ra	dec	J2000_candidate	C/A	P/A	vel	Delta	R*	K*	long
27	01	2013	19 36 30.0	07 50 39.6694	+10 48 10.723		0.118	191.31	-25.75	44.14	16.4	14.5	56

Credits: Rio Team & B. Sicardy