

MH370-Waypoint-Path-Speeds

Location	Time	leg km	total km	mean speed	speed kph	speed kt	mach FL15	expected	lat	lon	heading	BFO err
(IGOGU)	18:38:10	0.00	0.00		475.10	255.97	0.410	18:38:10	7.44600	94.48000	196.420	
Post-turn	18:40:56	28.01	28.01		478.09	257.58	0.412		7.27320	94.35160	196.420	
BEDAX	19:02:38	220.13	248.14		501.66	270.28	0.432	19:02:38	5.36433	93.78758	181.300	
(mid)	19:41:00		571.21	542.52	543.32	292.72	0.468		2.44000	93.72166	181.297	
2 nd Arc	19:41:03	389.63	637.77		543.38	292.75	0.468		2.44000	93.72166	181.297	-9.98
Tangent	19:51:10	75.38	713.15		554.36	298.67	0.478		1.14751	93.69263	181.294	
ISBIX	20:10:10	552.76	800.90		575.01	309.79	0.496	20:10:10	0.36674	93.67511	172.733	
3 rd Arc	20:41:05	313.50	1114.40		608.57	327.88	0.525		-2.44727	94.01954	172.033	-10.22
POSOD	20:51:28	116.62	1231.02		619.84	333.95	0.534	20:51:28	-3.49167	94.16500	162.902	
(mid)	21:11:16		1438.17	643.60	641.35	345.54	0.553					
4 th Arc	21:41:27	530.91	1761.93		674.13	363.20	0.581		-8.08759	95.55134	162.361	1.09
(mid)	22:01:54		1998.87	694.90	696.34	375.16	0.600					
COCO flyby	22:22:22	473.88	2235.81		718.56	387.14	0.619	22:23:59	-12.16800	96.86960	79.726	
(mid)	22:31:52		2339.50	654.88	654.88	352.83	0.564					
5 th Arc	22:41:22	207.38	2443.19		668.48	360.15	0.576		-11.82724	98.74216	79.337	-16.75
(mid)	23:26:11		2990.40	732.60	732.60	394.70	0.631					
AU.XMI	23:52:30	774.01	3217.20		770.25	414.98	0.664	23:44:45	-10.45023	105.68966	16.013	
LADIR	00:04:51	213.88	3431.08		640.80	345.24	0.552		-8.59111	106.22556	84.043	
6 th Arc	00:11:00	106.53	3537.61		637.61	343.52	0.550		-8.49000	107.18788	83.893	19.20
(mid)	00:15:14		3579.86	597.70	597.70	322.02	0.515					
TOPAR	00:15:56	49.12	3586.73		595.78	320.99	0.514		-8.44250	107.63139	61.470	
LEMUS	00:18:24	24.62	3611.35		588.98	317.32	0.508		-8.33611	107.82778	104.320	
7 th Arc	00:19:29	10.77	3622.12		586.01	315.72	0.505		-8.36017	107.92248		0.00

(7th Arc BFO err at 00:19:29 becomes zero on a -2368 fpm glide with heading 180)

Alternate path continuing on the final POSOD-COCO bearing 163.28 to the Curtin-7th Arc intersect.

COCO flyby	22:22:22	473.88	2235.81	694.90		374.39	0.599
5 th Arc	22:41:22	291.65	2527.46	921.00		496.20	0.794
6 th Arc	00:11:00	1168.16	3695.62	781.96		421.29	0.674
7 th Arc	00:19:29	77.57	3773.19	548.63		295.58	0.473

Mean speed array for trend estimates

19:41:00	571.21	542.52
21:11:16	1438.17	643.60
22:01:54	1998.87	694.90
22:31:52	2339.50	654.88
23:26:11	2990.40	732.60
00:15:14	3579.86	597.70

(Hybrid .pdf embeds the ODF spreadsheet source.)

