



Km Units View From $\gamma = 0.0^\circ$, $P = 0.0^\circ$, $R = 15.0^\circ$
 Sun-Centered J2KE Coordinate System
 Short way from post-Pluto New Horizons to KBO 2014 MU69



New Horizons Post-Pluto Flyby Course Correction Δv (km/s)

2014 MU69 Arrive Date	Post-Pluto Coast Depart Date																		
	9/1/15	9/5/15	9/9/15	9/13/15	9/17/15	9/21/15	9/25/15	9/29/15	10/3/15	10/7/15	10/11/15	10/15/15	10/19/15	10/23/15	10/27/15	10/31/15	11/4/15	11/8/15	11/12/15
8/1/18	2.009	2.017	2.025	2.032	2.040	2.048	2.056	2.064	2.072	2.080	2.088	2.096	2.104	2.113	2.121	2.130	2.138	2.147	2.155
8/11/18	1.856	1.863	1.870	1.877	1.884	1.892	1.899	1.906	1.913	1.921	1.928	1.936	1.943	1.951	1.958	1.966	1.974	1.982	1.990
8/21/18	1.706	1.712	1.719	1.725	1.732	1.738	1.745	1.751	1.758	1.765	1.771	1.778	1.785	1.792	1.799	1.806	1.813	1.820	1.827
8/31/18	1.559	1.564	1.570	1.576	1.582	1.588	1.593	1.599	1.605	1.612	1.618	1.624	1.630	1.636	1.643	1.649	1.655	1.662	1.668
9/10/18	1.414	1.419	1.424	1.429	1.434	1.440	1.445	1.450	1.456	1.461	1.467	1.472	1.478	1.483	1.489	1.495	1.501	1.506	1.512
9/20/18	1.272	1.276	1.281	1.285	1.290	1.295	1.299	1.304	1.309	1.314	1.319	1.324	1.329	1.334	1.339	1.344	1.349	1.354	1.359
9/30/18	1.132	1.136	1.140	1.144	1.148	1.152	1.157	1.161	1.165	1.169	1.174	1.178	1.182	1.187	1.191	1.195	1.200	1.205	1.209
10/10/18	0.995	0.998	1.002	1.005	1.009	1.013	1.016	1.020	1.024	1.027	1.031	1.035	1.039	1.042	1.046	1.050	1.054	1.058	1.062
10/20/18	0.860	0.863	0.866	0.869	0.872	0.875	0.878	0.882	0.885	0.888	0.891	0.894	0.898	0.901	0.904	0.907	0.911	0.914	0.918
10/30/18	0.728	0.730	0.733	0.736	0.738	0.741	0.743	0.746	0.749	0.751	0.754	0.757	0.759	0.762	0.765	0.768	0.770	0.773	0.776
11/9/18	0.598	0.600	0.602	0.604	0.606	0.609	0.611	0.613	0.615	0.617	0.619	0.621	0.624	0.626	0.628	0.630	0.633	0.635	0.637
11/19/18	0.471	0.472	0.474	0.476	0.477	0.479	0.481	0.482	0.484	0.486	0.487	0.489	0.491	0.492	0.494	0.496	0.498	0.499	0.501
11/29/18	0.346	0.347	0.349	0.350	0.351	0.352	0.353	0.354	0.356	0.357	0.358	0.359	0.361	0.362	0.363	0.364	0.366	0.367	0.368
12/9/18	0.225	0.226	0.227	0.227	0.228	0.229	0.230	0.230	0.231	0.232	0.233	0.233	0.234	0.235	0.236	0.237	0.237	0.238	0.239
12/19/18	0.112	0.112	0.113	0.113	0.113	0.114	0.114	0.114	0.115	0.115	0.115	0.116	0.116	0.116	0.117	0.117	0.118	0.118	0.118
12/29/18	0.063	0.063	0.063	0.063	0.063	0.064	0.064	0.064	0.064	0.064	0.064	0.065	0.065	0.065	0.065	0.065	0.066	0.066	0.066
1/8/19	0.153	0.153	0.154	0.154	0.155	0.156	0.156	0.157	0.157	0.158	0.158	0.159	0.159	0.160	0.160	0.161	0.162	0.162	0.163
1/18/19	0.264	0.265	0.266	0.266	0.267	0.268	0.269	0.270	0.271	0.272	0.273	0.274	0.275	0.276	0.277	0.278	0.279	0.280	0.281
1/28/19	0.376	0.377	0.378	0.380	0.381	0.382	0.383	0.385	0.386	0.387	0.389	0.390	0.391	0.393	0.394	0.395	0.397	0.398	0.399
2/7/19	0.487	0.488	0.490	0.492	0.493	0.495	0.497	0.498	0.500	0.502	0.503	0.505	0.507	0.508	0.510	0.512	0.514	0.515	0.517
2/17/19	0.597	0.599	0.600	0.602	0.604	0.606	0.608	0.610	0.612	0.614	0.616	0.619	0.621	0.623	0.625	0.627	0.629	0.631	0.633
2/27/19	0.705	0.707	0.709	0.712	0.714	0.716	0.719	0.721	0.723	0.726	0.728	0.730	0.733	0.735	0.738	0.740	0.743	0.745	0.748
3/9/19	0.811	0.814	0.817	0.819	0.822	0.824	0.827	0.830	0.832	0.835	0.838	0.841	0.843	0.846	0.849	0.852	0.855	0.857	0.860
3/19/19	0.916	0.919	0.922	0.925	0.928	0.931	0.934	0.937	0.940	0.943	0.946	0.949	0.952	0.955	0.958	0.962	0.965	0.968	0.971
3/29/19	1.020	1.023	1.026	1.029	1.033	1.036	1.039	1.043	1.046	1.049	1.053	1.056	1.059	1.063	1.066	1.070	1.073	1.077	1.080
4/8/19	1.122	1.125	1.129	1.132	1.136	1.139	1.143	1.147	1.150	1.154	1.157	1.161	1.165	1.169	1.172	1.176	1.180	1.184	1.188
4/18/19	1.222	1.226	1.230	1.233	1.237	1.241	1.245	1.249	1.253	1.257	1.261	1.265	1.269	1.273	1.277	1.281	1.285	1.289	1.293
4/28/19	1.321	1.325	1.329	1.333	1.337	1.341	1.346	1.350	1.354	1.358	1.362	1.367	1.371	1.375	1.380	1.384	1.389	1.393	1.397
5/8/19	1.418	1.423	1.427	1.431	1.436	1.441	1.445	1.449	1.453	1.458	1.463	1.467	1.472	1.476	1.481	1.486	1.490	1.495	1.500
5/18/19	1.514	1.519	1.524	1.528	1.533	1.537	1.542	1.547	1.552	1.556	1.561	1.566	1.571	1.576	1.581	1.586	1.591	1.596	1.601
5/28/19	1.609	1.614	1.619	1.624	1.628	1.633	1.638	1.643	1.648	1.653	1.658	1.663	1.668	1.674	1.679	1.684	1.689	1.695	1.700
6/7/19	1.702	1.707	1.712	1.717	1.723	1.728	1.733	1.738	1.743	1.749	1.754	1.759	1.765	1.770	1.776	1.781	1.786	1.792	1.798
6/17/19	1.794	1.799	1.805	1.810	1.815	1.821	1.826	1.832	1.837	1.843	1.848	1.854	1.859	1.865	1.871	1.876	1.882	1.888	1.894
6/27/19	1.885	1.890	1.896	1.901	1.907	1.912	1.918	1.924	1.930	1.935	1.941	1.947	1.953	1.959	1.965	1.971	1.977	1.983	1.989
7/7/19	1.974	1.980	1.985	1.991	1.997	2.003	2.009	2.015	2.021	2.027	2.033	2.039	2.045	2.051	2.057	2.063	2.069	2.076	2.082
7/17/19	2.062	2.068	2.074	2.080	2.086	2.092	2.098	2.104	2.110	2.116	2.123	2.129	2.135	2.142	2.148	2.154	2.161	2.167	2.174
7/27/19	2.149	2.155	2.161	2.167	2.173	2.180	2.186	2.192	2.199	2.205	2.212	2.218	2.225	2.231	2.238	2.244	2.251	2.258	2.265

KBO 2014 MU69 Flyby Speed (km/s)

2014 MU69 Arrive Date	Post-Pluto Coast Depart Date																		
	9/1/15	9/5/15	9/9/15	9/13/15	9/17/15	9/21/15	9/25/15	9/29/15	10/3/15	10/7/15	10/11/15	10/15/15	10/19/15	10/23/15	10/27/15	10/31/15	11/4/15	11/8/15	11/12/15
8/1/18	16.501	16.509	16.517	16.524	16.532	16.540	16.548	16.555	16.563	16.571	16.580	16.588	16.596	16.604	16.613	16.621	16.630	16.638	16.647
8/11/18	16.348	16.354	16.361	16.368	16.376	16.383	16.390	16.397	16.404	16.412	16.419	16.427	16.434	16.442	16.449	16.457	16.465	16.473	16.480
8/21/18	16.197	16.203	16.209	16.216	16.222	16.229	16.235	16.242	16.248	16.255	16.262	16.268	16.275	16.282	16.289	16.296	16.303	16.310	16.318
8/31/18	16.048	16.054	16.060	16.066	16.071	16.077	16.083	16.089	16.095	16.101	16.107	16.113	16.120	16.126	16.132	16.138	16.145	16.151	16.158
9/10/18	15.903	15.908	15.913	15.918	15.924	15.929	15.934	15.939	15.945	15.950	15.956	15.961	15.967	15.972	15.978	15.984	15.989	15.995	16.001
9/20/18	15.760	15.764	15.769	15.774	15.778	15.783	15.788	15.792	15.797	15.802	15.807	15.812	15.817	15.822	15.827	15.832	15.837	15.842	15.847
9/30/18	15.619	15.623	15.628	15.632	15.636	15.640	15.644	15.648	15.652	15.657	15.661	15.665	15.670	15.674	15.679	15.683	15.687	15.692	15.697
10/10/18	15.481	15.485	15.489	15.492	15.496	15.499	15.503	15.507	15.510	15.514	15.518	15.521	15.525	15.529	15.533	15.537	15.541	15.545	15.549
10/20/18	15.346	15.349	15.352	15.355	15.358	15.361	15.364	15.367	15.371	15.374	15.377	15.380	15.383	15.387	15.390	15.393	15.397	15.400	15.403
10/30/18	15.213	15.215	15.218	15.220	15.223	15.226	15.228	15.231	15.233	15.236	15.239	15.241	15.244	15.247	15.250	15.252	15.255	15.258	15.261
11/9/18	15.082	15.084	15.086	15.088	15.090	15.092	15.094	15.096	15.099	15.101	15.103	15.105	15.107	15.110	15.112	15.114	15.116	15.119	15.121
11/19/18	14.953	14.955	14.956	14.958	14.960	14.961	14.963	14.964	14.966	14.968	14.970	14.971	14.973	14.975	14.976	14.978	14.980	14.982	14.984
11/29/18	14.827	14.828	14.829	14.830	14.831	14.832	14.834	14.835	14.836	14.837	14.838	14.840	14.841	14.842	14.843	14.845	14.846	14.847	14.849
12/9/18	14.702	14.703	14.704	14.704	14.705	14.706	14.707	14.707	14.708	14.709	14.710	14.710	14.711	14.712	14.713	14.714	14.714	14.715	14.716
12/19/18	14.580	14.580	14.580	14.581	14.581	14.581	14.582	14.582	14.582	14.583	14.583	14.583	14.584	14.584	14.584	14.585	14.585	14.585	14.586
12/29/18	14.459	14.459	14.459	14.459	14.459	14.459	14.459	14.459	14.459	14.459	14.459	14.458	14.458	14.458	14.458	14.458	14.458	14.458	14.458
1/8/19	14.341	14.341	14.340	14.340	14.339	14.339	14.338	14.338	14.337	14.337	14.336	14.336	14.335	14.335	14.334	14.334	14.333	14.333	14.332
1/18/19	14.225	14.224	14.223	14.222	14.221	14.220	14.219	14.219	14.218	14.217	14.216	14.215	14.214	14.213	14.212	14.211	14.211	14.210	14.209
1/28/19	14.110	14.109	14.108	14.106	14.105	14.104	14.103	14.101	14.100	14.099	14.098	14.096	14.095	14.094	14.093	14.091	14.090	14.089	14.087
2/7/19	13.997	13.996	13.994	13.993	13.991	13.989	13.988	13.986	13.985	13.983	13.981	13.980	13.978	13.976	13.975	13.973	13.971	13.970	13.968
2/17/19	13.886	13.884	13.882	13.881	13.879	13.877	13.875	13.873	13.871	13.869	13.867	13.865	13.863	13.861	13.859	13.857	13.855	13.853	13.850
2/27/19	13.777	13.775	13.773	13.770	13.768	13.766	13.764	13.761	13.759	13.757	13.754	13.752	13.750	13.747	13.745	13.742	13.740	13.738	13.735
3/9/19	13.670	13.667	13.664	13.662	13.659	13.657	13.654	13.652	13.649	13.646	13.644	13.641	13.638	13.635	13.633	13.630	13.627	13.624	13.622
3/19/19	13.564	13.561	13.558	13.555	13.552	13.549	13.546	13.544	13.541	13.538	13.535	13.532	13.529	13.526	13.522	13.519	13.516	13.513	13.510
3/29/19	13.459	13.456	13.453	13.450	13.447	13.444	13.440	13.437	13.434	13.431	13.427	13.424	13.421	13.417	13.414	13.410	13.407	13.404	13.400
4/8/19	13.357	13.353	13.350	13.347	13.343	13.340	13.336	13.333	13.329	13.325	13.322	13.318	13.314	13.311	13.307	13.303	13.300	13.296	13.292
4/18/19	13.256	13.252	13.248	13.245	13.241	13.237	13.233	13.229	13.226	13.222	13.218	13.214	13.210	13.206	13.202	13.198	13.194	13.190	13.186
4/28/19	13.156	13.152	13.148	13.144	13.140	13.136	13.132	13.128	13.124	13.120	13.116	13.111	13.107	13.103	13.099	13.094	13.090	13.086	13.081
5/8/19	13.058	13.054	13.050	13.045	13.041	13.037	13.032	13.028	13.024	13.019	13.015	13.010	13.006	13.001	12.997	12.992	12.987	12.983	12.978
5/18/19	12.961	12.957	12.952	12.948	12.943	12.939	12.934	12.930	12.925	12.920	12.916	12.911	12.906	12.901	12.896	12.891	12.887	12.882	12.877
5/28/19	12.866	12.861	12.857	12.852	12.847	12.842	12.837	12.833	12.828	12.823	12.818	12.813	12.808	12.803	12.798	12.792	12.787	12.782	12.777
6/7/19	12.772	12.767	12.762	12.757	12.752	12.747	12.742	12.737	12.732	12.727	12.721	12.716	12.711	12.706	12.700	12.695	12.689	12.684	12.679
6/17/19	12.680	12.675	12.669	12.664	12.659	12.654	12.648	12.643	12.637	12.632	12.627	12.621	12.616	12.610	12.604	12.599	12.593	12.587	12.582
6/27/19	12.589	12.583	12.578	12.572	12.567	12.561	12.556	12.550	12.544	12.539	12.533	12.527	12.522	12.516	12.510	12.504	12.498	12.492	12.486
7/7/19	12.499	12.493	12.487	12.482	12.476	12.470	12.465	12.459	12.453	12.447	12.441	12.435	12.429	12.423	12.417	12.411	12.405	12.399	12.392
7/17/19	12.410	12.404	12.398	12.392	12.387	12.381	12.375	12.369	12.363	12.356	12.350	12.344	12.338	12.332	12.325	12.319	12.313	12.306	12.300
7/27/19	12.323	12.317	12.311	12.304	12.298	12.292	12.286	12.280	12.273	12.267	12.261	12.254	12.248	12.242	12.235	12.229	12.222	12.215	12.209