

Program ces (A Construction Engineering Survey format) (11/26/91)

Tue Aug 24 10:37:16 2004

Site coordinates for beamline: input_ces_v2

NOTES: Coordinates are given for the entrance of the device in DUSAF coordinate system.

Site axis (EAST); site axis (NORTH); Site z-axis (ELEVATION)

Positive bearing is ccw wrt site EAST.

Pitch is the vertical angle about the x-y plane.

line	location	typ_code	distance [ft]	x [ft]	y [ft]	z [ft]	brng [deg]	pitch [deg]	yaw [deg]
0000	S1_BML	marker	-56.88634	101383.29284	97215.37729	715.72409	148.73096	0.10571	-81.69232
0001	LAM60	MI_LAM	-56.88634	101383.29284	97215.37729	715.72409	148.73096	0.10571	-81.69232
0002	LAMEND	DRIFT	-47.70000	101375.48039	97220.21061	715.74102	148.69343	0.21142	0.00000
0003	QSPPOOL	drift	-46.94423	101374.83462	97220.60333	715.74381	148.69343	0.21142	0.00000
0004	QENDU	drift	-46.52756	101374.47865	97220.81983	715.74535	148.69343	0.21142	0.00000
0005	HQ608	3Q84/2	-46.40256	101374.37186	97220.88479	715.74581	148.72552	0.22202	0.00000
0006	HQ608	3Q84/2	-42.90257	101371.38043	97222.70175	715.75930	148.78998	0.24866	0.00000
0007	QENDD	drift	-39.40258	101368.38699	97224.51539	715.77442	148.82235	0.26471	0.00000
0008	BPM	MI_BPM	-39.21006	101368.22230	97224.61506	715.77531	148.82235	0.26471	0.00000
0009	D3IN	drift	-38.54339	101367.65192	97224.96018	715.77839	148.82235	0.26471	0.00000
0010	LAMEND	DRIFT	-38.29339	101367.43801	97225.08960	715.77954	148.82235	0.26471	0.00000
0011	LAM61A	MI_LAM	-37.53762	101366.79139	97225.48088	715.78302	148.81805	0.47957	-88.85429
0012	LAMEND	DRIFT	-28.35129	101358.93226	97230.23717	715.85992	148.81376	0.69442	0.00000
0013	LSPOOL	drift	-27.59552	101358.28567	97230.62854	715.86907	148.81376	0.69442	0.00000
0014	LAMEND	DRIFT	-27.09552	101357.85795	97230.88743	715.87514	148.81376	0.69442	0.00000
0015	LAM61B	MI_LAM	-26.33974	101357.21139	97231.27883	715.88430	148.81376	0.90957	-90.00021
0016	LAMEND	DRIFT	-17.15341	101349.35258	97236.03571	716.03016	148.81376	1.12472	0.00000
0017	VALVE	VALVE	-16.39760	101348.70603	97236.42705	716.04502	148.81376	1.12472	0.00000
0018	LCSPPOO	drift	-15.89761	101348.27837	97236.68591	716.05483	148.81376	1.12472	0.00000
0019	CMGEND	DRIFT	-15.42198	101347.87152	97236.93217	716.06418	148.81376	1.12472	0.00000
0020	V100	MI_CMG	-14.75532	101347.30131	97237.27731	716.07724	148.81376	1.36536	-90.00021
0021	CMGEND	DRIFT	-3.75531	101337.89365	97242.97175	716.33935	148.81376	1.60600	0.00000
0022	NOVALV	drift	-3.08864	101337.32354	97243.31683	716.35805	148.81376	1.60600	0.00000
0023	Q12_UP	DRIFT	-2.58864	101336.89598	97243.57562	716.37206	148.81376	1.60600	0.00000
0024	HQD101	3Q120/2	-2.01571	101336.40602	97243.87218	716.38810	148.81376	1.60600	0.00000
0025	HQD101	3Q120/2	2.98428	101332.13027	97246.46030	716.52826	148.81376	1.60600	0.00000
0026	Q101DN	drift	7.98427	101327.85453	97249.04838	716.66838	148.81376	1.60600	0.00000
0027	IP101A	ionpump	8.89050	101327.07956	97249.51748	716.69378	148.81376	1.60600	0.00000
0028	P101SE	drift	9.39050	101326.65197	97249.77627	716.70779	148.81376	1.60600	0.00000
0029	IP101B	ionpump	15.64810	101321.30080	97253.01534	716.88318	148.81376	1.60600	0.00000
0030	V101UP	drift	16.14810	101320.87321	97253.27413	716.89719	148.81376	1.60600	0.00000
0031	VP101	BPM	16.78766	101320.32630	97253.60520	716.91510	148.81376	1.60600	0.00000
0032	BPM_DN	DRIFT	17.32100	101319.87019	97253.88125	716.93006	148.81376	1.60600	0.00000
0033	BPM_UP	DRIFT	17.42933	101319.77758	97253.93735	716.93308	148.81376	1.60600	0.00000
0034	HP101	BPM	17.70433	101319.54241	97254.07967	716.94079	148.81376	1.60600	0.00000
0035	H101DN	drift	18.23766	101319.08630	97254.35575	716.95575	148.81376	1.60600	0.00000
0036	PM101	MUWIRE	19.22982	101318.23788	97254.86930	716.98357	148.81376	1.60600	0.00000
0037	DUP4	drift	20.04648	101317.53949	97255.29204	717.00644	148.81376	1.60600	0.00000
0038	IP101C	ionpump	22.53299	101315.41318	97256.57908	717.07612	148.81376	1.60600	0.00000
0039	RWMUPS	drift	23.03299	101314.98559	97256.83790	717.09013	148.81376	1.60600	0.00000
0040	RWCM01	REWAMON	23.50172	101314.58474	97257.08052	717.10329	148.81376	1.60600	0.00000
0041	RWMDNS	drift	24.09549	101314.07700	97257.38787	717.11992	148.81376	1.60600	0.00000

0042	TOR1UP	DRIFT	24.35933	101313.85137	97257.52445	717.12731	148.81376	1.60600	0.00000
0043	TOR101	TOROID	24.57042	101313.67083	97257.63370	717.13324	148.81376	1.60600	0.00000
0044	TOR1DN	DRIFT	25.28919	101313.05620	97258.00575	717.15339	148.81376	1.60600	0.00000
0045	MIC2UP	DRIFT	25.35169	101313.00275	97258.03810	717.15513	148.81376	1.60600	0.00000
0046	HT102	MIHC	25.69234	101312.71145	97258.21444	717.16467	148.81376	1.60600	0.00000
0047	MICR_D	DRIFT	26.69234	101311.85630	97258.73206	717.19269	148.81376	1.60600	0.00000
0048	EPB_UP	DRIFT	26.99443	101311.59797	97258.88842	717.20116	148.81376	1.60600	0.00000
0049	HV01_1	EPB	27.54650	101311.12586	97259.17418	717.21664	149.14206	1.60600	0.00000
0050	EPB_DN	DRIFT	37.54655	101302.54484	97264.30127	717.49689	149.47036	1.60600	0.00000
0051	EPB_UP	DRIFT	37.99445	101302.15914	97264.52870	717.50946	149.47036	1.60600	0.00000
0052	HV01_2	EPB	38.54654	101301.68378	97264.80905	717.52494	149.79896	1.58222	-4.10925
0053	EPB_DN	DRIFT	48.54656	101293.04446	97269.83748	717.80103	150.12755	1.55845	0.00000
0054	Q12_UP	DRIFT	48.99449	101292.65621	97270.06048	717.81323	150.12755	1.55845	0.00000
0055	HQF102	3Q120/2	49.56742	101292.15959	97270.34575	717.82881	150.12755	1.55845	0.00000
0056	HQF102	3Q120/2	54.56741	101287.82551	97272.83518	717.96477	150.12755	1.55845	0.00000
0057	Q12_DN	DRIFT	59.56740	101283.49146	97275.32461	718.10076	150.12755	1.55845	0.00000
0058	BPM_UP	DRIFT	59.99447	101283.12125	97275.53727	718.11238	150.12755	1.55845	0.00000
0059	HP102	BPM	60.26947	101282.88287	97275.67418	718.11986	150.12755	1.55845	0.00000
0060	BPM_DN	DRIFT	60.80280	101282.42056	97275.93973	718.13436	150.12755	1.55845	0.00000
0061	PUMP	PUMP	60.91113	101282.32667	97275.99367	718.13731	150.12755	1.55845	0.00000
0062	EPB_UP	DRIFT	61.24446	101282.03772	97276.15961	718.14637	150.12755	1.55845	0.00000
0063	HV01_3	EPB	61.79656	101281.55918	97276.43448	718.16139	150.42978	1.42781	-23.33714
0064	EPB_DN	DRIFT	71.79658	101272.86438	97281.36787	718.41054	150.73202	1.29718	0.00000
0065	EPB_UP	DRIFT	72.24451	101272.47377	97281.58680	718.42068	150.73202	1.29718	0.00000
0066	HV01_4	EPB	72.79657	101271.99227	97281.85662	718.43318	150.97180	1.07143	-43.22909
0067	EPB_DN	DRIFT	82.79662	101263.25003	97286.70818	718.62018	151.21158	0.84569	0.00000
0068	EPB_UP	DRIFT	83.24452	101262.85751	97286.92386	718.62678	151.21158	0.84569	0.00000
0069	HV01_5	EPB	83.79662	101262.37372	97287.18971	718.63491	151.46053	0.63054	-40.76022
0070	EPB_DN	DRIFT	93.79666	101253.58939	97291.96706	718.74495	151.70948	0.41539	0.00000
0071	MICR_U	DRIFT	94.24456	101253.19497	97292.17933	718.74820	151.70948	0.41539	0.00000
0072	VT103	MIHC-R	94.73416	101252.76390	97292.41135	718.75174	151.70948	0.41539	0.00000
0073	MICR_D	DRIFT	95.73416	101251.88336	97292.88530	718.75900	151.70948	0.41539	0.00000
0074	Q12_UP	DRIFT	96.03623	101251.61735	97293.02845	718.76119	151.70948	0.41539	0.00000
0075	HQD103	3Q120/2	96.60916	101251.11288	97293.29997	718.76533	151.70948	0.41539	0.00000
0076	HQD103	3Q120/2	101.60915	101246.71024	97295.66961	718.80158	151.70948	0.41539	0.00000
0077	Q12_DN	DRIFT	106.60914	101242.30755	97298.03923	718.83780	151.70948	0.41539	0.00000
0078	BPM_UP	DRIFT	107.03620	101241.93151	97298.24162	718.84089	151.70948	0.41539	0.00000
0079	VP103	BPM	107.31120	101241.68935	97298.37197	718.84289	151.70948	0.41539	0.00000
0080	BPM_DN	DRIFT	107.84453	101241.21973	97298.62473	718.84676	151.70948	0.41539	0.00000
0081	PUMP	PUMP	107.95287	101241.12435	97298.67607	718.84755	151.70948	0.41539	0.00000
0082	EPB_UP	DRIFT	108.28620	101240.83082	97298.83404	718.84994	151.70948	0.41539	0.00000
0083	HV01_6	EPB	108.83830	101240.34470	97299.09569	718.85394	151.95815	0.19939	-40.90059
0084	EPB_DN	DRIFT	118.83831	101231.51873	97303.79680	718.88875	152.20681	-0.01662	0.00000
0085	DRC0	drift	119.28624	101231.12247	97304.00565	718.88862	152.20681	-0.01662	0.00000
0086	DRMTDX	drift	121.70743	101228.98061	97305.13462	718.88793	152.20681	-0.01662	0.00000
0087	BPM_UP	DRIFT	132.30456	101219.60599	97310.07585	718.88488	152.20681	-0.01662	0.00000
0088	HP104	BPM	132.57956	101219.36272	97310.20407	718.88478	152.20681	-0.01662	0.00000
0089	BPM_DN	DRIFT	133.11289	101218.89090	97310.45275	718.88462	152.20681	-0.01662	0.00000
0090	Q12_UP	DRIFT	133.22122	101218.79507	97310.50328	718.88462	152.20681	-0.01662	0.00000
0091	HQF104	3Q60/2	133.79415	101218.28825	97310.77040	718.88445	152.20681	-0.01662	0.00000
0092	HQF104	3Q60/2	136.29415	101216.07667	97311.93612	718.88373	152.20681	-0.01662	0.00000
0093	Q12_DN	DRIFT	138.79414	101213.86509	97313.10180	718.88301	152.20681	-0.01662	0.00000

0094	DR104D	drift	139.22121	101213.48727	97313.30094	718.88288	152.20681	-0.01662	0.00000
0095	SYTR_U	DRIFT	140.91911	101211.98524	97314.09264	718.88239	152.20681	-0.01662	0.00000
0096	H104	SYTRIM	141.56494	101211.41392	97314.39379	718.88219	152.20681	-0.01662	0.00000
0097	SYTR_D	DRIFT	144.48163	101208.83370	97315.75376	718.88137	152.20681	-0.01662	0.00000
0098	BPM_UP	DRIFT	144.93997	101208.42826	97315.96747	718.88124	152.20681	-0.01662	0.00000
0099	HP105	BPM	145.21497	101208.18498	97316.09572	718.88114	152.20681	-0.01662	0.00000
0100	BPM_DN	DRIFT	145.74830	101207.71317	97316.34441	718.88101	152.20681	-0.01662	0.00000
0101	SFOUR_	adapter	145.85663	101207.61734	97316.39490	718.88098	152.20681	-0.01662	0.00000
0102	PM105	MUWIRE	146.00246	101207.48833	97316.46291	718.88091	152.20681	-0.01662	0.00000
0103	SFOUR_	adapter	147.33579	101206.30881	97317.08460	718.88055	152.20681	-0.01662	0.00000
0104	Q12_UP	DRIFT	147.48163	101206.17981	97317.15261	718.88048	152.20681	-0.01662	0.00000
0105	HQF105	3Q120/2	148.05453	101205.67298	97317.41977	718.88032	152.20681	-0.01662	0.00000
0106	HQF105	3Q120/2	153.05452	101201.24980	97319.75116	718.87888	152.20681	-0.01662	0.00000
0107	Q12_DN	DRIFT	158.05451	101196.82664	97322.08255	718.87743	152.20681	-0.01662	0.00000
0108	MICR_U	DRIFT	158.48161	101196.44882	97322.28170	718.87734	152.20681	-0.01662	0.00000
0109	HT105	MIHC	158.97117	101196.01572	97322.50998	718.87717	152.20681	-0.01662	0.00000
0110	MICR_D	DRIFT	159.97117	101195.13107	97322.97625	718.87691	152.20681	-0.01662	0.00000
0111	DRMTU1	drift	160.27327	101194.86385	97323.11710	718.87681	152.20681	-0.01662	0.00000
0112	DRMTD	drift	182.05597	101175.59407	97333.27397	718.87054	152.20681	-0.01662	0.00000
0113	BPM_UP	DRIFT	203.11140	101156.96767	97343.09170	718.86447	152.20681	-0.01662	0.00000
0114	VP106	BPM	203.38640	101156.72439	97343.21995	718.86438	152.20681	-0.01662	0.00000
0115	BPM_DN	DRIFT	203.91974	101156.25258	97343.46860	718.86424	152.20681	-0.01662	0.00000
0116	Q12_UP	DRIFT	204.02807	101156.15674	97343.51912	718.86421	152.20681	-0.01662	0.00000
0117	HQD106	3Q120/2	204.60097	101155.64992	97343.78628	718.86405	152.20681	-0.01662	0.00000
0118	HQD106	3Q120/2	209.60096	101151.22673	97346.11768	718.86260	152.20681	-0.01662	0.00000
0119	Q12_DN	DRIFT	214.60098	101146.80358	97348.44907	718.86116	152.20681	-0.01662	0.00000
0120	MICR_U	DRIFT	215.02805	101146.42576	97348.64822	718.86103	152.20681	-0.01662	0.00000
0121	VT106	MIHC-R	215.51761	101145.99266	97348.87650	718.86090	152.20681	-0.01662	0.00000
0122	MICR_D	DRIFT	216.51761	101145.10801	97349.34277	718.86060	152.20681	-0.01662	0.00000
0123	DRMTU	drift	216.81971	101144.84079	97349.48361	718.86050	152.20681	-0.01662	0.00000
0124	DRMTD1	drift	237.27098	101126.74883	97359.01965	718.85463	152.20681	-0.01662	0.00000
0125	BPM_UP	DRIFT	258.03479	101108.38043	97368.70142	718.84866	152.20681	-0.01662	0.00000
0126	HP107	BPM	258.30979	101108.13715	97368.82964	718.84856	152.20681	-0.01662	0.00000
0127	BPM_DN	DRIFT	258.84312	101107.66534	97369.07833	718.84840	152.20681	-0.01662	0.00000
0128	SFOUR_	adapter	258.95145	101107.56950	97369.12882	718.84840	152.20681	-0.01662	0.00000
0129	PM107	MUWIRE	259.09728	101107.44050	97369.19683	718.84833	152.20681	-0.01662	0.00000
0130	SFOUR_	adapter	260.43061	101106.26098	97369.81855	718.84797	152.20681	-0.01662	0.00000
0131	Q12_UP	DRIFT	260.57645	101106.13197	97369.88653	718.84791	152.20681	-0.01662	0.00000
0132	HQF107	3Q120/2	261.14935	101105.62515	97370.15368	718.84774	152.20681	-0.01662	0.00000
0133	HQF107	3Q120/2	266.14934	101101.20196	97372.48508	718.84630	152.20681	-0.01662	0.00000
0134	Q12_DN	DRIFT	271.14933	101096.77881	97374.81647	718.84485	152.20681	-0.01662	0.00000
0135	MICR_U	DRIFT	271.57643	101096.40099	97375.01562	718.84476	152.20681	-0.01662	0.00000
0136	HT107	MIHC	272.06599	101095.96789	97375.24390	718.84459	152.20681	-0.01662	0.00000
0137	MICR_D	DRIFT	273.06599	101095.08324	97375.71017	718.84433	152.20681	-0.01662	0.00000
0138	DRMTU2	drift	273.36809	101094.81602	97375.85105	718.84423	152.20681	-0.01662	0.00000
0139	DRMTDM	drift	294.35066	101076.25405	97385.63479	718.83819	152.20681	-0.01662	0.00000
0140	MICR_U	DRIFT	312.87441	101059.86724	97394.27207	718.83285	152.20681	-0.01662	0.00000
0141	VT108	MIHC-R	313.36401	101059.43413	97394.50035	718.83272	152.20681	-0.01662	0.00000
0142	MICR_D	DRIFT	314.36400	101058.54952	97394.96663	718.83242	152.20681	-0.01662	0.00000
0143	BPM_UP	DRIFT	314.66607	101058.28227	97395.10751	718.83232	152.20681	-0.01662	0.00000
0144	VP108	BPM	314.94107	101058.03899	97395.23572	718.83226	152.20681	-0.01662	0.00000
0145	BPM_DN	DRIFT	315.47440	101057.56721	97395.48441	718.83209	152.20681	-0.01662	0.00000

0146	SFOUR_	adapter	315.58273	101057.47138	97395.53490	718.83206	152.20681	-0.01662	0.00000
0147	PM108	MUWIRE	315.72857	101057.34234	97395.60291	718.83203	152.20681	-0.01662	0.00000
0148	SFOUR_	adapter	317.06190	101056.16285	97396.22463	718.83163	152.20681	-0.01662	0.00000
0149	Q12_UP	DRIFT	317.20773	101056.03385	97396.29261	718.83160	152.20681	-0.01662	0.00000
0150	HQD108	3Q120/2	317.78066	101055.52702	97396.55977	718.83144	152.20681	-0.01662	0.00000
0151	HQD108	3Q120/2	322.78065	101051.10384	97398.89116	718.82999	152.20681	-0.01662	0.00000
0152	Q12_DN	DRIFT	327.78064	101046.68065	97401.22255	718.82855	152.20681	-0.01662	0.00000
0153	SMIDGE	drift	328.20771	101046.30283	97401.42170	718.82842	152.20681	-0.01662	0.00000
0154	FOUR_6	adapter	329.34951	101045.29279	97401.95408	718.82809	152.20681	-0.01662	0.00000
0155	B2_UPS	DRIFT	329.51617	101045.14535	97402.03180	718.82806	152.20681	-0.01662	0.00000
0156	V108_1	B2	330.13074	101044.60168	97402.31835	718.82786	152.20681	-0.76089	-90.00021
0157	B2_DNS	DRIFT	350.04792	101026.98423	97411.60429	718.56336	152.20681	-1.50516	0.00000
0158	B2_UPS	DRIFT	350.60002	101026.49601	97411.86161	718.54886	152.20681	-1.50516	0.00000
0159	V108_2	B2	351.21459	101025.95251	97412.14809	718.53272	152.20681	-2.24972	-90.00021
0160	B2_DNS	DRIFT	371.13177	101008.34713	97421.42766	717.75083	152.20681	-2.99428	0.00000
0161	FOUR_6	adapter	371.68387	101007.85940	97421.68475	717.72199	152.20681	-2.99428	0.00000
0162	MICR_U	DRIFT	371.85054	101007.71216	97421.76234	717.71326	152.20681	-2.99428	0.00000
0163	HT109	MIHC	372.34010	101007.27965	97421.99033	717.68771	152.20681	-2.99428	0.00000
0164	MICR_D	DRIFT	373.34010	101006.39622	97422.45597	717.63547	152.20681	-2.99428	0.00000
0165	Q12_UP	DRIFT	373.64220	101006.12935	97422.59662	717.61969	152.20681	-2.99428	0.00000
0166	HQF109	3Q120/2	374.21510	101005.62322	97422.86339	717.58974	152.20681	-2.99428	0.00000
0167	HQF109	3Q120/2	379.21509	101001.20607	97425.19163	717.32855	152.20681	-2.99428	0.00000
0168	Q12_DN	DRIFT	384.21508	100996.78895	97427.51984	717.06737	152.20681	-2.99428	0.00000
0169	H109UP	drift	384.64218	100996.41166	97427.71869	717.04506	152.20681	-2.99428	0.00000
0170	HP109	BPM	385.04375	100996.05690	97427.90570	717.02409	152.20681	-2.99428	0.00000
0171	FOUR_6	adapter	385.57708	100995.58574	97428.15403	716.99624	152.20681	-2.99428	0.00000
0172	V183UP	drift	385.74375	100995.43849	97428.23165	716.98751	152.20681	-2.99428	0.00000
0173	V108_3	B2	386.34007	100994.91166	97428.50931	716.95637	152.20681	-3.73884	-90.00021
0174	B2_DNS	DRIFT	406.25729	100977.33020	97437.77629	715.65762	152.20681	-4.48339	0.00000
0175	B2_UPS	DRIFT	406.80936	100976.84329	97438.03295	715.61448	152.20681	-4.48339	0.00000
0176	V108_4	B2	407.42392	100976.30126	97438.31864	715.56642	152.20681	-5.22795	-90.00021
0177	B2_DNS	DRIFT	427.34114	100958.75556	97447.56672	713.75172	152.20681	-5.97251	0.00000
0178	FOUR_6	adapter	427.89321	100958.26984	97447.82275	713.69427	152.20681	-5.97251	0.00000
0179	MICR_U	DRIFT	428.05987	100958.12318	97447.90005	713.67692	152.20681	-5.97251	0.00000
0180	VT110	MIHC-R	428.54947	100957.69244	97448.12708	713.62600	152.20681	-5.97251	0.00000
0181	MICR_D	DRIFT	429.54947	100956.81262	97448.59083	713.52193	152.20681	-5.97251	0.00000
0182	Q60_UP	DRIFT	429.85154	100956.54684	97448.73092	713.49050	152.20681	-5.97251	0.00000
0183	HQD110	3Q60/2	430.30987	100956.14356	97448.94349	713.44283	152.20681	-5.97251	0.00000
0184	HQD110	3Q60/2	432.80986	100953.94399	97450.10287	713.18269	152.20681	-5.97251	0.00000
0185	Q60_DN	DRIFT	435.30986	100951.74439	97451.26225	712.92259	152.20681	-5.97251	0.00000
0186	V110UP	drift	435.85152	100951.26781	97451.51343	712.86623	152.20681	-5.97251	0.00000
0187	VP110	BPM	436.17961	100950.97917	97451.66559	712.83210	152.20681	-5.97251	0.00000
0188	V110DN	drift	436.71294	100950.50991	97451.91290	712.77659	152.20681	-5.97251	0.00000
0189	FOUR_6	adapter	436.76819	100950.46132	97451.93853	712.77085	152.20681	-5.97251	0.00000
0190	B2_UPS	DRIFT	436.93485	100950.31467	97452.01582	712.75350	152.20681	-5.97251	0.00000
0191	V108_5	B2	437.54945	100949.77395	97452.30083	712.68955	152.20681	-6.71678	-90.00021
0192	B2_DNS	DRIFT	457.46664	100932.27589	97461.52384	710.36010	152.20681	-7.46106	0.00000
0193	B2_UPS	DRIFT	458.01870	100931.79164	97461.77909	710.28841	152.20681	-7.46106	0.00000
0194	V108_6	B2	458.63330	100931.25253	97462.06321	710.20862	152.20681	-8.20562	-90.00021
0195	B2_DNS	DRIFT	478.55049	100913.81395	97471.25489	707.36597	152.20681	-8.95017	0.00000
0196	FOUR_6	adapter	479.10255	100913.33151	97471.50919	707.28008	152.20681	-8.95017	0.00000
0197	DV1T0	drift	479.26922	100913.18587	97471.58593	707.25413	152.20681	-8.95017	0.00000

0198	P111UP	drift	479.43756	100913.03876	97471.66349	707.22795	152.20681	-8.95017	0.00000
0199	CT111T	CALTGT	479.72460	100912.78794	97471.79567	707.18330	152.20681	-8.95017	0.00000
0200	P111DN	drift	481.05793	100911.62278	97472.40981	706.97588	152.20681	-8.95017	0.00000
0201	DV2T0A	drift	481.06255	100911.61875	97472.41194	706.97516	152.20681	-8.95017	0.00000
0202	STUB_E	POINT	482.25412	100910.57748	97472.96080	706.78976	152.20681	-8.95017	0.00000
0203	DV2T0B	drift	482.25412	100910.57748	97472.96080	706.78976	152.20681	-8.95017	0.00000
0204	MICR_U	DRIFT	484.94988	100908.22174	97474.20246	706.37037	152.20681	-8.95017	0.00000
0205	VT111	MIH-OR	485.43945	100907.79392	97474.42798	706.29422	152.20681	-8.95017	0.00000
0206	MICR_D	DRIFT	486.43945	100906.92004	97474.88858	706.13865	152.20681	-8.95017	0.00000
0207	Q12_UP	DRIFT	486.74155	100906.65606	97475.02772	706.09163	152.20681	-8.95017	0.00000
0208	HQD111	3Q120/2	487.31445	100906.15541	97475.29160	706.00252	152.20681	-8.95017	0.00000
0209	HQD111	3Q120/2	492.31444	100901.78609	97477.59461	705.22464	152.20681	-8.95017	0.00000
0210	Q12_DN	DRIFT	497.31443	100897.41677	97479.89763	704.44675	152.20681	-8.95017	0.00000
0211	V111UP	drift	497.74152	100897.04355	97480.09434	704.38032	152.20681	-8.95017	0.00000
0212	VP111	BPM	498.15822	100896.67941	97480.28627	704.31549	152.20681	-8.95017	0.00000
0213	DV2TA	drift	498.69156	100896.21336	97480.53194	704.23252	152.20681	-8.95017	0.00000
0214	MICR_U	DRIFT	499.64241	100895.38243	97480.96990	704.08458	152.20681	-8.95017	0.00000
0215	HT112	MIHC-O	500.13200	100894.95461	97481.19539	704.00843	152.20681	-8.95017	0.00000
0216	MICR_D	DRIFT	501.13200	100894.08072	97481.65602	703.85286	152.20681	-8.95017	0.00000
0217	Q12_UP	DRIFT	501.43407	100893.81675	97481.79516	703.80584	152.20681	-8.95017	0.00000
0218	HQF112	3Q120/2	502.00700	100893.31609	97482.05904	703.71674	152.20681	-8.95017	0.00000
0219	HQF112	3Q120/2	507.00699	100888.94678	97484.36205	702.93885	152.20681	-8.95017	0.00000
0220	Q12_DN	DRIFT	512.00698	100884.57746	97486.66507	702.16096	152.20681	-8.95017	0.00000
0221	H112UP	drift	512.43405	100884.20424	97486.86178	702.09453	152.20681	-8.95017	0.00000
0222	HP112	BPM	512.87732	100883.81690	97487.06595	702.02556	152.20681	-8.95017	0.00000
0223	PM112U	drift	513.41069	100883.35082	97487.31159	701.94259	152.20681	-8.95017	0.00000
0224	PM112	MUWIRE	513.53362	100883.24338	97487.36825	701.92346	152.20681	-8.95017	0.00000
0225	C_P_MK	POINT	514.51351	100882.38711	97487.81956	701.77104	152.20681	-8.95017	0.00000
0226	PM112B	MUWIRE	514.51351	100882.38711	97487.81956	701.77104	152.20681	-8.95017	0.00000
0227	PM112D	drift	514.86695	100882.07822	97487.98239	701.71602	152.20681	-8.95017	0.00000
0228	DHALFX	drift	514.97574	100881.98318	97488.03248	701.69912	152.20681	-8.95017	0.00000
0229	DHALFX	drift	524.51739	100873.64507	97492.42739	700.21468	152.20681	-8.95017	0.00000
0230	DHALFX	drift	535.64237	100863.92334	97497.55159	698.48390	152.20681	-8.95017	0.00000
0231	DHALFX	drift	546.76734	100854.20157	97502.67579	696.75313	152.20681	-8.95017	0.00000
0232	DHALFX	drift	557.89232	100844.47984	97507.80000	695.02236	152.20681	-8.95017	0.00000
0233	DHALFX	drift	569.01730	100834.75811	97512.92420	693.29159	152.20681	-8.95017	0.00000
0234	DHALFX	drift	580.14228	100825.03637	97518.04840	691.56082	152.20681	-8.95017	0.00000
0235	DHALFX	drift	591.26726	100815.31464	97523.17260	689.83008	152.20681	-8.95017	0.00000
0236	DHALFX	drift	602.39223	100805.59291	97528.29681	688.09931	152.20681	-8.95017	0.00000
0237	DHALFX	drift	613.51721	100795.87118	97533.42101	686.36854	152.20681	-8.95017	0.00000
0238	DHALFX	drift	624.64219	100786.14944	97538.54521	684.63777	152.20681	-8.95017	0.00000
0239	DHALFX	drift	635.76717	100776.42771	97543.66941	682.90700	152.20681	-8.95017	0.00000
0240	DHALFX	drift	646.89214	100766.70598	97548.79362	681.17623	152.20681	-8.95017	0.00000
0241	DHALFX	drift	658.01712	100756.98425	97553.91782	679.44546	152.20681	-8.95017	0.00000
0242	DHALFX	drift	669.14210	100747.26251	97559.04199	677.71469	152.20681	-8.95017	0.00000
0243	DHALFX	drift	680.26708	100737.54075	97564.16619	675.98392	152.20681	-8.95017	0.00000
0244	DHALFX	drift	691.39206	100727.81902	97569.29039	674.25318	152.20681	-8.95017	0.00000
0245	DHALFX	drift	702.51703	100718.09728	97574.41459	672.52241	152.20681	-8.95017	0.00000
0246	DHALFX	drift	713.64201	100708.37555	97579.53880	670.79164	152.20681	-8.95017	0.00000
0247	DHALFX	drift	724.76699	100698.65382	97584.66300	669.06087	152.20681	-8.95017	0.00000
0248	BPM_UP	DRIFT	736.01693	100688.82287	97589.84478	667.31064	152.20681	-8.95017	0.00000
0249	VP113	BPM	736.29193	100688.58255	97589.97145	667.26786	152.20681	-8.95017	0.00000

0250	BPM_DN	DRIFT	736.82527	100688.11650	97590.21709	667.18489	152.20681	-8.95017	0.00000
0251	Q12_UP	DRIFT	736.93360	100688.02182	97590.26699	667.16806	152.20681	-8.95017	0.00000
0252	HQD113	3Q120/2	737.50653	100687.52116	97590.53090	667.07892	152.20681	-8.95017	0.00000
0253	HQD113	3Q120/2	742.50652	100683.15185	97592.83388	666.30103	152.20681	-8.95017	0.00000
0254	Q12_DN	DRIFT	747.50651	100678.78253	97595.13690	665.52318	152.20681	-8.95017	0.00000
0255	MICR_U	DRIFT	747.93358	100678.40931	97595.33361	665.45671	152.20681	-8.95017	0.00000
0256	VT114	MIH-OR	748.42318	100677.98148	97595.55914	665.38056	152.20681	-8.95017	0.00000
0257	MICR_D	DRIFT	749.42317	100677.10763	97596.01974	665.22498	152.20681	-8.95017	0.00000
0258	DV2T13	drift	749.72524	100676.84366	97596.15888	665.17797	152.20681	-8.95017	0.00000
0259	MICR_U	DRIFT	749.83495	100676.74779	97596.20940	665.16091	152.20681	-8.95017	0.00000
0260	HT114	MIHC-O	750.32452	100676.31997	97596.43489	665.08476	152.20681	-8.95017	0.00000
0261	MICR_D	DRIFT	751.32451	100675.44609	97596.89549	664.92918	152.20681	-8.95017	0.00000
0262	Q12_UP	DRIFT	751.62661	100675.18211	97597.03463	664.88217	152.20681	-8.95017	0.00000
0263	HQF114	3Q120/2	752.19951	100674.68146	97597.29854	664.79306	152.20681	-8.95017	0.00000
0264	HQF114	3Q120/2	757.19950	100670.31214	97599.60155	664.01517	152.20681	-8.95017	0.00000
0265	Q12_DN	DRIFT	762.19949	100665.94283	97601.90457	663.23729	152.20681	-8.95017	0.00000
0266	BPM_UP	DRIFT	762.62659	100665.56960	97602.10128	663.17085	152.20681	-8.95017	0.00000
0267	HP114	BPM	762.90159	100665.32931	97602.22793	663.12807	152.20681	-8.95017	0.00000
0268	BPM_DN	DRIFT	763.43492	100664.86324	97602.47359	663.04510	152.20681	-8.95017	0.00000
0269	SFOUR_	adapter	763.54326	100664.76858	97602.52350	663.02823	152.20681	-8.95017	0.00000
0270	PM114	MUWIRE	763.68909	100664.64112	97602.59065	663.00556	152.20681	-8.95017	0.00000
0271	V14_UP	drift	765.02242	100663.20479	97603.20479	662.79812	152.20681	-8.95017	0.00000
0272	IP114A	ionpump	765.54571	100663.01869	97603.44584	662.71672	152.20681	-8.95017	0.00000
0273	P114SE	drift	766.04571	100662.58178	97603.67612	662.63893	152.20681	-8.95017	0.00000
0274	IP114B	ionpump	780.52485	100649.92892	97610.34526	660.38634	152.20681	-8.95017	0.00000
0275	P114SE	drift	781.02485	100649.49197	97610.57558	660.30855	152.20681	-8.95017	0.00000
0276	IP114C	ionpump	795.50402	100636.83915	97617.24473	658.05597	152.20681	-8.95017	0.00000
0277	P114SE	drift	796.00402	100636.40220	97617.47504	657.97818	152.20681	-8.95017	0.00000
0278	IP114D	ionpump	810.48319	100623.74938	97624.14419	655.72556	152.20681	-8.95017	0.00000
0279	drift	810.98319	100623.31243	97624.37447	655.64777	152.20681	-8.95017	0.00000
0280	BPM_UP	DRIFT	811.50648	100622.85515	97624.61551	655.56637	152.20681	-8.95017	0.00000
0281	HP115	BPM	811.78148	100622.61483	97624.74218	655.52359	152.20681	-8.95017	0.00000
0282	BPM_DN	DRIFT	812.31481	100622.14879	97624.98782	655.44062	152.20681	-8.95017	0.00000
0283	SFOUR_	adapter	812.42315	100622.05410	97625.03772	655.42375	152.20681	-8.95017	0.00000
0284	PM115	MUWIRE	812.56898	100621.92668	97625.10491	655.40108	152.20681	-8.95017	0.00000
0285	SFOUR_	adapter	813.90231	100620.76152	97625.71905	655.19364	152.20681	-8.95017	0.00000
0286	Q60_UP	DRIFT	814.04814	100620.63409	97625.78621	655.17097	152.20681	-8.95017	0.00000
0287	HQF115	3Q60/2	814.50647	100620.23357	97625.99733	655.09964	152.20681	-8.95017	0.00000
0288	HQF115	3Q60/2	817.00647	100618.04889	97627.14881	654.71070	152.20681	-8.95017	0.00000
0289	Q60_DN	DRIFT	819.50646	100615.86425	97628.30031	654.32179	152.20681	-8.95017	0.00000
0290	MICR_U	DRIFT	820.04813	100615.39089	97628.54982	654.23750	152.20681	-8.95017	0.00000
0291	HT115	MIHC	820.53770	100614.96307	97628.77531	654.16136	152.20681	-8.95017	0.00000
0292	MICR_D	DRIFT	821.53769	100614.08919	97629.23594	654.00578	152.20681	-8.95017	0.00000
0293	V15_UP	drift	821.83979	100613.82522	97629.37508	653.95876	152.20681	-8.95017	0.00000
0294	IP115A	ionpump	822.10666	100613.59201	97629.49798	653.91726	152.20681	-8.95017	0.00000
0295	P115SE	drift	822.60666	100613.15511	97629.72830	653.83947	152.20681	-8.95017	0.00000
0296	MVA15A	valve	839.78917	100598.13988	97637.64262	651.16628	152.20681	-8.95017	0.00000
0297	MVA15B	valve	840.28917	100597.70297	97637.87290	651.08853	152.20681	-8.95017	0.00000
0298	PG115	gauge	840.78916	100597.26603	97638.10321	651.01074	152.20681	-8.95017	0.00000
0299	IP115B	ionpump	841.28916	100596.82909	97638.33350	650.93295	152.20681	-8.95017	0.00000
0300	V15_DN	drift	841.78916	100596.39218	97638.56381	650.85516	152.20681	-8.95017	0.00000
0301	BPM_UP	DRIFT	842.05603	100596.15898	97638.68674	650.81363	152.20681	-8.95017	0.00000

0302	VP116	BPM	842.33103	100595.91866	97638.81338	650.77084	152.20681	-8.95017	0.00000
0303	BPM_DN	DRIFT	842.86436	100595.45258	97639.05905	650.68787	152.20681	-8.95017	0.00000
0304	Q12_UP	DRIFT	842.97269	100595.35793	97639.10895	650.67101	152.20681	-8.95017	0.00000
0305	HQD116	3Q120/2	843.54559	100594.85727	97639.37283	650.58190	152.20681	-8.95017	0.00000
0306	HQD116	3Q120/2	848.54558	100590.48796	97641.67584	649.80402	152.20681	-8.95017	0.00000
0307	Q12_DN	DRIFT	853.54557	100586.11864	97643.97886	649.02613	152.20681	-8.95017	0.00000
0308	MICR_U	DRIFT	853.97267	100585.74542	97644.17558	648.95969	152.20681	-8.95017	0.00000
0309	VT116	MIHC-R	854.46223	100585.31760	97644.40107	648.88354	152.20681	-8.95017	0.00000
0310	MICR_D	DRIFT	855.46223	100584.44371	97644.86167	648.72797	152.20681	-8.95017	0.00000
0311	V16_UP	drift	855.76433	100584.17974	97645.00081	648.68095	152.20681	-8.95017	0.00000
0312	IP116A	ionpump	856.04655	100583.93312	97645.13082	648.63706	152.20681	-8.95017	0.00000
0313	P116SE	drift	856.54655	100583.49618	97645.36111	648.55927	152.20681	-8.95017	0.00000
0314	IP116B	ionpump	872.04655	100569.95125	97652.50046	646.14785	152.20681	-8.95017	0.00000
0315	P116SE	drift	872.54655	100569.51435	97652.73078	646.07007	152.20681	-8.95017	0.00000
0316	IP116C	ionpump	888.04655	100555.96943	97659.87013	643.65865	152.20681	-8.95017	0.00000
0317	P116SE	drift	888.54655	100555.53248	97660.10041	643.58087	152.20681	-8.95017	0.00000
0318	IP116D	ionpump	904.04655	100541.98756	97667.23977	641.16945	152.20681	-8.95017	0.00000
0319	P116SE	drift	904.54655	100541.55062	97667.47008	641.09166	152.20681	-8.95017	0.00000
0320	IP116E	ionpump	920.04655	100528.00573	97674.60941	638.68025	152.20681	-8.95017	0.00000
0321	V16_DN	drift	920.54655	100527.56879	97674.83972	638.60246	152.20681	-8.95017	0.00000
0322	BPM_UP	DRIFT	920.82877	100527.32217	97674.96971	638.55857	152.20681	-8.95017	0.00000
0323	HP117	BPM	921.10377	100527.08185	97675.09638	638.51578	152.20681	-8.95017	0.00000
0324	BPM_DN	DRIFT	921.63710	100526.61578	97675.34205	638.43281	152.20681	-8.95017	0.00000
0325	SFOUR_	adapter	921.74543	100526.52113	97675.39195	638.41595	152.20681	-8.95017	0.00000
0326	PM117	MUWIRE	921.89127	100526.39366	97675.45911	638.39328	152.20681	-8.95017	0.00000
0327	SFOUR_	adapter	923.22460	100525.22854	97676.07325	638.18583	152.20681	-8.95017	0.00000
0328	Q12_UP	DRIFT	923.37043	100525.10108	97676.14041	638.16316	152.20681	-8.95017	0.00000
0329	HQF117	3Q120/2	923.94336	100524.60043	97676.40432	638.07402	152.20681	-8.95017	0.00000
0330	HQF117	3Q120/2	928.94335	100520.23111	97678.70730	637.29613	152.20681	-8.95017	0.00000
0331	Q12_DN	DRIFT	933.94334	100515.86180	97681.01031	636.51828	152.20681	-8.95017	0.00000
0332	MICR_U	DRIFT	934.37041	100515.48857	97681.20703	636.45184	152.20681	-8.95017	0.00000
0333	HT117	MIHC	934.86001	100515.06075	97681.43256	636.37566	152.20681	-8.95017	0.00000
0334	MICR_D	DRIFT	935.86000	100514.18690	97681.89315	636.22009	152.20681	-8.95017	0.00000
0335	D2MMI	drift	936.16207	100513.92292	97682.03229	636.17310	152.20681	-8.95017	0.00000
0336	SYTR_U	DRIFT	937.95846	100512.35311	97682.85972	635.89361	152.20681	-8.95017	0.00000
0337	H117	SYTRIM	938.60429	100511.78874	97683.15719	635.79315	152.19507	-8.95017	0.00000
0338	SYTR_D	DRIFT	941.52095	100509.24025	97684.50112	635.33938	152.18332	-8.95017	0.00000
0339	V17_UP	drift	941.97928	100508.83983	97684.71241	635.26809	152.18332	-8.95017	0.00000
0340	IP117	ionpump	942.23233	100508.61873	97684.82904	635.22872	152.18332	-8.95017	0.00000
0341	P117SE	drift	942.73233	100508.18189	97685.05952	635.15093	152.18332	-8.95017	0.00000
0342	V17_DN	drift	943.30566	100507.68101	97685.32382	635.06172	152.18332	-8.95017	0.00000
0343	BPM_UP	DRIFT	943.55868	100507.44046	97685.44046	635.02235	152.18332	-8.95017	0.00000
0344	VP118	BPM	943.83368	100507.21965	97685.56723	634.97957	152.18332	-8.95017	0.00000
0345	BPM_DN	DRIFT	944.36701	100506.75371	97685.81306	634.89660	152.18332	-8.95017	0.00000
0346	Q12_UP	DRIFT	944.47537	100506.65906	97685.86299	634.87977	152.18332	-8.95017	0.00000
0347	HQD118	3Q120/2	945.04827	100506.15853	97686.12710	634.79063	152.18332	-8.95017	0.00000
0348	HQD118	3Q120/2	950.04826	100501.79014	97688.43189	634.01274	152.18332	-8.95017	0.00000
0349	Q12_DN	DRIFT	955.04825	100497.42177	97690.73670	633.23489	152.18332	-8.95017	0.00000
0350	MICR_U	DRIFT	955.47535	100497.04864	97690.93359	633.16842	152.18332	-8.95017	0.00000
0351	VT118	MIHC-R	955.96492	100496.62092	97691.15928	633.09227	152.18332	-8.95017	0.00000
0352	MICR_D	DRIFT	956.96492	100495.74724	97691.62023	632.93669	152.18332	-8.95017	0.00000
0353	V18_UP	drift	957.26702	100495.48333	97691.75947	632.88971	152.18332	-8.95017	0.00000

0354	IP118A	ionpump	959.03909	100493.93507	97692.57633	632.61399	152.18332	-8.95017	0.00000
0355	P118SE	drift	959.53909	100493.49826	97692.80681	632.53620	152.18332	-8.95017	0.00000
0356	IP118B	ionpump	975.04241	100479.95337	97699.95329	630.12430	152.18332	-8.95017	0.00000
0357	V18_DN	drift	975.54241	100479.51653	97700.18377	630.04651	152.18332	-8.95017	0.00000
0358	FOUR_6	adapter	975.83532	100479.26059	97700.31877	630.00094	152.18332	-8.95017	0.00000
0359	B2_UPS	DRIFT	976.00198	100479.11499	97700.39561	629.97499	152.18332	-8.95017	0.00000
0360	V118_1	B2	976.61658	100478.57805	97700.67891	629.87938	152.18332	-8.24945	90.00021
0361	B2_DNS	DRIFT	996.53370	100461.14514	97709.87673	627.02174	152.18332	-7.54872	0.00000
0362	B2_UPS	DRIFT	997.08580	100460.66109	97710.13214	626.94921	152.18332	-7.54872	0.00000
0363	V118_2	B2	997.70037	100460.12224	97710.41642	626.86846	152.18332	-6.84771	90.00021
0364	B2_DNS	DRIFT	1017.61749	100442.63274	97719.64413	624.49383	152.18332	-6.14669	0.00000
0365	FOUR_6	adapter	1018.16958	100442.14725	97719.90026	624.43471	152.18332	-6.14669	0.00000
0366	MICR_U	DRIFT	1018.33625	100442.00069	97719.97759	624.41686	152.18332	-6.14669	0.00000
0367	HT119	MIHC	1018.82582	100441.57018	97720.20476	624.36443	152.18332	-6.14669	0.00000
0368	MICR_D	DRIFT	1019.82581	100440.69082	97720.66870	624.25738	152.18332	-6.14669	0.00000
0369	Q60_UP	DRIFT	1020.12791	100440.42517	97720.80886	624.22503	152.18332	-6.14669	0.00000
0370	HQF119	3Q60/2	1020.58625	100440.02215	97721.02152	624.17595	152.18332	-6.14669	0.00000
0371	HQF119	3Q60/2	1023.08624	100437.82376	97722.18143	623.90827	152.18332	-6.14669	0.00000
0372	Q60_DN	DRIFT	1025.58624	100435.62534	97723.34130	623.64058	152.18332	-6.14669	0.00000
0373	BPM_UP	DRIFT	1026.12790	100435.14903	97723.59264	623.58258	152.18332	-6.14669	0.00000
0374	HP119	BPM	1026.40290	100434.90720	97723.72020	623.55312	152.18332	-6.14669	0.00000
0375	BPM_DN	DRIFT	1026.37880	100434.38821	97723.96768	623.49603	152.18332	-6.14669	0.00000
0376	FOUR_6	adapter	1027.04457	100434.34296	97724.01794	623.48442	152.18332	-6.14669	0.00000
0377	B2_UPS	DRIFT	1027.21123	100434.19641	97724.09527	623.46657	152.18332	-6.14669	0.00000
0378	V118_3	B2	1027.82580	100433.65596	97724.38040	623.40075	152.18332	-5.44596	90.00021
0379	B2_DNS	DRIFT	1047.74292	100416.12030	97733.63242	621.51054	152.18332	-4.74524	0.00000
0380	B2_UPS	DRIFT	1048.29502	100415.63368	97733.88918	621.46487	152.18332	-4.74524	0.00000
0381	V118_4	B2	1048.90958	100415.09198	97734.17497	621.41401	152.18332	-4.04422	90.00021
0382	B2_DNS	DRIFT	1068.82673	100397.52069	97743.44582	620.00936	152.18332	-3.34321	0.00000
0383	FOUR_6	adapter	1069.37880	100397.03326	97743.70300	619.97714	152.18332	-3.34321	0.00000
0384	Q12_UP	DRIFT	1069.54547	100396.88608	97743.78066	619.96743	152.18332	-3.34321	0.00000
0385	HQD120	3Q120/2	1070.11840	100396.38024	97744.04756	619.93403	152.18332	-3.34321	0.00000
0386	HQD120	3Q120/2	1075.11839	100391.96555	97746.37678	619.64240	152.18332	-3.34321	0.00000
0387	Q12_DN	DRIFT	1080.11838	100387.55086	97748.70604	619.35080	152.18332	-3.34321	0.00000
0388	DRV3TB	drift	1080.54544	100387.17377	97748.90499	619.32589	152.18332	-3.34321	0.00000
0389	Q12_UP	DRIFT	1080.95532	100386.81189	97749.09594	619.30198	152.18332	-3.34321	0.00000
0390	HQF121	3Q120/2	1081.52822	100386.30605	97749.36283	619.26858	152.18332	-3.34321	0.00000
0391	HQF121	3Q120/2	1086.52821	100381.89136	97751.69206	618.97698	152.18332	-3.34321	0.00000
0392	Q12_DN	DRIFT	1091.52820	100377.47667	97754.02132	618.68538	152.18332	-3.34321	0.00000
0393	MICR_U	DRIFT	1091.95530	100377.09957	97754.22027	618.66044	152.18332	-3.34321	0.00000
0394	HT121	MIHC	1092.44486	100376.66732	97754.44836	618.63190	152.18332	-3.34321	0.00000
0395	MICR_D	DRIFT	1093.44486	100375.78439	97754.91420	618.57360	152.18332	-3.34321	0.00000
0396	MICR_U	DRIFT	1093.74696	100375.51765	97755.05492	618.55598	152.18332	-3.34321	0.00000
0397	VT121	MIHC-R	1094.23653	100375.08537	97755.28300	618.52740	152.18332	-3.34321	0.00000
0398	MICR_D	DRIFT	1095.23652	100374.20243	97755.74885	618.46910	152.18332	-3.34321	0.00000
0399	BPM_UP	DRIFT	1095.53862	100373.93573	97755.88956	618.45149	152.18332	-3.34321	0.00000
0400	HP121	SMABPM	1095.81362	100373.69292	97756.01768	618.43544	152.18332	-3.34321	0.00000
0401	BPM_DN	DRIFT	1096.34695	100373.22202	97756.26613	618.40434	152.18332	-3.34321	0.00000
0402	BPM_UP	DRIFT	1096.45529	100373.12635	97756.31659	618.39801	152.18332	-3.34321	0.00000
0403	VP121	SMABPM	1096.73029	100372.88354	97756.44471	618.38197	152.18332	-3.34321	0.00000
0404	BPM_DN	DRIFT	1097.26362	100372.41264	97756.69317	618.35086	152.18332	-3.34321	0.00000
0405	SFOUR_	adapter	1097.37195	100372.31700	97756.74363	618.34456	152.18332	-3.34321	0.00000

0406	PM121	TARGMW	1097.51779	100372.18823	97756.81157	618.33603	152.18332	-3.34321	0.00000
0407	V21_UP	drift	1098.85112	100371.01100	97757.43270	618.25828	152.18332	-3.34321	0.00000
0408	IP121A	ionpump	1099.14639	100370.75028	97757.57027	618.24105	152.18332	-3.34321	0.00000
0409	PG121	gauge	1099.64639	100370.30881	97757.80317	618.21189	152.18332	-3.34321	0.00000
0410	MAVL21	valve	1100.14639	100369.86734	97758.03611	618.18275	152.18332	-3.34321	0.00000
0411	P121SE	drift	1100.64639	100369.42587	97758.26902	618.15359	152.18332	-3.34321	0.00000
0412	IP121B	ionpump	1116.48212	100355.44388	97765.64613	617.23003	152.18332	-3.34321	0.00000
0413	P121SE	drift	1116.98212	100355.00241	97765.87904	617.20087	152.18332	-3.34321	0.00000
0414	IP121C	ionpump	1132.81788	100341.02038	97773.25613	616.27728	152.18332	-3.34321	0.00000
0415	V21_DN	drift	1133.31788	100340.57891	97773.48907	616.24814	152.18332	-3.34321	0.00000
0416	TOR_UP	DRIFT	1133.61315	100340.31822	97773.62663	616.23092	152.18332	-3.34321	0.00000
0417	TORTGT	TOROID	1133.94649	100340.02389	97773.78191	616.21146	152.18332	-3.34321	0.00000
0418	TOR_DN	DRIFT	1134.23815	100339.76638	97773.91777	616.19447	152.18332	-3.34321	0.00000
0419	BPM_UP	DRIFT	1134.61315	100339.43528	97774.09248	616.17259	152.18332	-3.34321	0.00000
0420	HPTGT	SMABPM	1134.88815	100339.19246	97774.22056	616.15654	152.18332	-3.34321	0.00000
0421	BPM_DN	DRIFT	1135.42148	100338.72157	97774.46902	616.12544	152.18332	-3.34321	0.00000
0422	BPM_UP	DRIFT	1135.52982	100338.62590	97774.51948	616.11914	152.18332	-3.34321	0.00000
0423	VPTGT	SMABPM	1135.80481	100338.38312	97774.64759	616.10310	152.18332	-3.34321	0.00000
0424	BPM_DN	DRIFT	1136.33815	100337.91218	97774.89605	616.07200	152.18332	-3.34321	0.00000
0425	PMTGT	TARGMW	1136.44648	100337.81655	97774.94651	616.06566	152.18332	-3.34321	0.00000
0426	OT_UPS	drift	1137.77981	100336.63929	97775.56767	615.98791	152.18332	-3.34321	0.00000
0427	OTRTGT	otrmon	1138.23814	100336.23463	97775.78115	615.96117	152.18332	-3.34321	0.00000
0428	OT_DNS	drift	1139.86314	100334.79985	97776.53817	615.86642	152.18332	-3.34321	0.00000
0429	OUCADR	drift	1140.20828	100334.49510	97776.69897	615.84627	152.18332	-3.34321	0.00000
0430	SH_WAL	drift	1141.20828	100333.61216	97777.16481	615.78794	152.18332	-3.34321	0.00000
0431	M_TACA	POINT	1147.20827	100328.31453	97779.95992	615.43804	152.18332	-3.34321	0.00000
0432	INCADR	drift	1147.20827	100328.31453	97779.95992	615.43804	152.18332	-3.34321	0.00000
0433	BAFL2P	BAFFLE	1160.89253	100316.23218	97786.33471	614.63995	152.18332	-3.34321	0.00000
0434	TA_OFF	drift	1165.81378	100311.88701	97788.62729	614.35294	152.18332	-3.34321	0.00000
0435	TA_UPS	drift	1167.25383	100310.61552	97789.29815	614.26895	152.18332	-3.34321	0.00000
0436	HALTA1	TAR/2	1168.04451	100309.91739	97789.66649	614.22282	152.18332	-3.34321	0.00000
0437	MCZERO	point	1169.19281	100308.90352	97790.20140	614.15586	152.18332	-3.34321	0.00000
0438	ACTRN1	horn1	1169.29123	100308.81664	97790.24727	614.15012	152.18332	-3.34321	0.00000
0439	HALTA2	TAR/2	1169.60914	100308.53593	97790.39536	614.13158	152.18332	-3.34321	0.00000
0440	ENDFIN	fin	1171.17377	100307.15444	97791.12423	614.04034	152.18332	-3.34321	0.00000
0441	DWNRN1	horn_dn	1179.03531	100300.21321	97794.78653	613.58184	152.18332	-3.34321	0.00000
0442	D2LOWE	drift	1181.72283	100297.84028	97796.03853	613.42509	152.18332	-3.34321	0.00000
0443	UPHRN2	horn_up	1201.82168	100280.09422	97805.40160	612.25291	152.18332	-3.34321	0.00000
0444	ACTRN2	horn2	1202.00114	100279.93576	97805.48520	612.24244	152.18332	-3.34321	0.00000
0445	DWNRN2	horn_dn	1211.84364	100271.24542	97810.07032	611.66840	152.18332	-3.34321	0.00000
0446	D2MEDE	drift	1217.18812	100266.52657	97812.56005	611.35672	152.18332	-3.34321	0.00000
0447	UPHRN2	horn_up	1244.47251	100242.43610	97825.27049	609.76545	152.18332	-3.34321	0.00000
0448	ACTRN2	horn2	1244.65197	100242.27766	97825.35409	609.75498	152.18332	-3.34321	0.00000
0449	DWNRN2	horn_dn	1254.49447	100233.58733	97829.93922	609.18093	152.18332	-3.34321	0.00000
0450	D2HIGE	drift	1259.83895	100228.86847	97832.42894	608.86925	152.18332	-3.34321	0.00000
0451	UPHRN2	horn_up	1290.50260	100201.79431	97846.71362	607.08091	152.18332	-3.34321	0.00000
0452	ACTRN2	horn2	1290.68206	100201.63588	97846.79722	607.07044	152.18332	-3.34321	0.00000
0453	DWNRN2	horn_dn	1300.52456	100192.94555	97851.38235	606.49639	152.18332	-3.34321	0.00000
0454	IHD3	drift	1305.86904	100188.22669	97853.87211	606.18471	152.18332	-3.34321	0.00000
0455	M_CAVE	POINT	1309.14988	100185.32991	97855.40048	605.99337	152.18332	-3.34321	0.00000
0456	OVERHA	drift	1309.14988	100185.32991	97855.40048	605.99337	152.18332	-3.34321	0.00000
0457	DKINHL	drift	1319.12085	100176.52616	97860.04545	605.41185	152.18332	-3.34321	0.00000

0458	M_THAL	POINT	1337.64936	100160.16661	97868.67697	604.33124	152.18332	-3.34321	0.00000
0459	DK_PCA	DECA44	1337.64936	100160.16661	97868.67697	604.33124	152.18332	-3.34321	0.00000
0460	DK_PCB	DEC150	1483.26094	100031.60040	97936.51020	595.83897	152.18332	-3.34321	0.00000
0461	DK_PCC	DEC150	1975.38594	99597.08384	98165.76682	567.13755	152.18332	-3.34321	0.00000
0462	DK_PCD	DEC100	2467.51094	99162.56726	98395.02345	538.43613	152.18332	-3.34321	0.00000
0463	DK_PCE	DEC100	2795.59428	98872.88956	98547.86120	519.30185	152.18332	-3.34321	0.00000
0464	DK_PCF	DEC125	3123.67761	98583.21186	98700.69896	500.16757	152.18332	-3.34321	0.00000
0465	DENCU	drift	3533.78178	98221.11471	98891.74615	476.24970	152.18332	-3.34321	0.00000
0466	DUMP	DUMP	3540.34344	98215.32115	98894.80290	475.86703	152.18332	-3.34321	0.00000
0467	DENCD	drift	3564.35914	98194.11677	98905.99064	474.46641	152.18332	-3.34321	0.00000
0468	MU_UP	drift	3583.78168	98176.96785	98915.03862	473.33367	152.18332	-3.34321	0.00000
0469	MUOND	MUON	3588.71129	98172.61530	98917.33507	473.04613	152.18332	-3.34321	0.00000
0470	MU_DN	drift	3590.35450	98171.16445	98918.10056	472.95030	152.18332	-3.34321	0.00000
0471	MUUP2	drift	3593.79862	98168.12348	98919.70501	472.74945	152.18332	-3.34321	0.00000
0472	MU_UP	drift	3633.23545	98133.30314	98938.07670	470.44945	152.18332	-3.34321	0.00000
0473	MUOND	MUON	3638.16507	98128.95062	98940.37315	470.16192	152.18332	-3.34321	0.00000
0474	MU_DN	drift	3639.80827	98127.49977	98941.13863	470.06609	152.18332	-3.34321	0.00000
0475	MUUP3	drift	3643.25239	98124.45880	98942.74309	469.86523	152.18332	-3.34321	0.00000
0476	MU_UP	drift	3702.40765	98072.22830	98970.30058	466.41521	152.18332	-3.34321	0.00000
0477	MUOND	MUON	3707.33724	98067.87575	98972.59703	466.12771	152.18332	-3.34321	0.00000
0478	MU_DN	drift	3708.98044	98066.42493	98973.36252	466.03188	152.18332	-3.34321	0.00000
0479	MUUP4	drift	3712.42460	98063.38393	98974.96698	465.83102	152.18332	-3.34321	0.00000
0480	MU_UP	drift	3811.01666	97976.33312	99020.89612	460.08100	152.18332	-3.34321	0.00000
0481	MUOND	MUON	3815.94624	97971.98060	99023.19257	459.79350	152.18332	-3.34321	0.00000
0482	MU_DN	drift	3817.58944	97970.52975	99023.95805	459.69767	152.18332	-3.34321	0.00000
0483	SHIELD	drift	3821.03360	97967.48878	99025.56251	459.49678	152.18332	-3.34321	0.00000
0484	TUNNEL	TUNNEL	4409.14181	97448.22485	99299.53296	425.19751	152.18332	-3.34321	0.00000
0485	M_ENCUC	EX_ENU	4484.72906	97381.48591	99334.74533	420.78915	152.18332	-3.34321	0.00000
0486	MIN_ND	EXP	4570.37268	97305.86776	99374.64242	415.79428	152.18332	-3.34321	0.00000
0487	M_ENCD	EX_END	4624.95981	97257.67064	99400.07187	412.61069	152.18332	-3.34321	0.00000
0488	ILWIMN	drift	4634.97675	97248.82627	99404.73826	412.02647	152.18332	-3.34321	0.00000
0489	MINOFU	EXP_F2	2413631.71977	-2029749.35001	1221636.85406	-140084.03837	152.18332	-3.34321	0.00000
0490	MINOFD	EXP_F2	2413690.87500	-2029801.58051	1221664.41155	-140087.48839	152.18332	-3.34321	0.00000