

Table B.3. Core data from MD-45 including core name, sample depth, sample depth, element counts from XRF core scanning:calcium, strontium, silica, and potassium.

Core	Depth (mbsf)	Calcium (counts)	Strontium (counts)	Silica (counts)	Potassium (counts)	Sr/K	Sr/Ca
MD-45	0.030	43,674	1,059	1,175	9,395	0.113	0.024
MD-45	0.035	51,194	1,170	1,788	11,781	0.099	0.023
MD-45	0.040	59,838	1,064	1,679	11,595	0.092	0.018
MD-45	0.045	56,257	1,220	1,877	12,280	0.099	0.022
MD-45	0.050	55,845	1,161	1,785	12,202	0.095	0.021
MD-45	0.055	60,500	1,177	1,999	12,311	0.096	0.019
MD-45	0.060	69,966	1,262	1,866	12,145	0.104	0.018
MD-45	0.065	68,762	1,194	1,966	12,770	0.094	0.017
MD-45	0.070	63,531	1,259	1,760	12,044	0.105	0.020
MD-45	0.075	57,206	1,042	1,850	12,411	0.084	0.018
MD-45	0.080	56,072	1,077	1,938	12,875	0.084	0.019
MD-45	0.085	61,886	1,098	2,052	13,351	0.082	0.018
MD-45	0.090	51,966	1,117	1,500	10,783	0.104	0.021
MD-45	0.095	58,589	1,170	1,443	10,647	0.110	0.020
MD-45	0.100	54,021	944	1,719	12,109	0.078	0.017
MD-45	0.105	53,670	988	1,719	12,092	0.082	0.018
MD-45	0.110	54,651	1,093	1,647	11,971	0.091	0.020
MD-45	0.115	61,399	1,189	1,974	13,296	0.089	0.019
MD-45	0.120	64,150	1,213	1,740	12,787	0.095	0.019
MD-45	0.125	69,768	1,220	2,226	14,003	0.087	0.017
MD-45	0.130	68,940	1,060	2,599	15,065	0.070	0.015
MD-45	0.135	67,412	1,056	2,531	15,060	0.070	0.016
MD-45	0.140	67,816	1,013	2,537	14,979	0.068	0.015
MD-45	0.145	62,680	1,194	2,149	13,703	0.087	0.019
MD-45	0.150	62,144	997	2,471	14,716	0.068	0.016

MD-45	0.155	60,851	1,050	2,428	15,243	0.069	0.017
MD-45	0.160	69,949	1,344	2,388	14,889	0.090	0.019
MD-45	0.165	64,713	1,262	2,397	14,890	0.085	0.020
MD-45	0.170	59,746	1,211	2,455	15,393	0.079	0.020
MD-45	0.175	62,715	1,203	2,535	15,327	0.078	0.019
MD-45	0.180	62,149	1,273	2,658	15,712	0.081	0.020
MD-45	0.185	68,700	1,243	2,850	16,476	0.075	0.018
MD-45	0.190	62,311	1,295	2,396	15,342	0.084	0.021
MD-45	0.195	68,523	1,081	2,722	16,233	0.067	0.016
MD-45	0.200	72,703	1,171	2,707	16,013	0.073	0.016
MD-45	0.205	71,817	1,642	2,588	15,361	0.107	0.023
MD-45	0.210	67,149	1,568	2,515	15,346	0.102	0.023
MD-45	0.215	67,065	1,250	2,232	14,602	0.086	0.019
MD-45	0.220	70,357	1,378	2,295	14,754	0.093	0.020
MD-45	0.225	67,266	1,240	2,482	14,978	0.083	0.018
MD-45	0.230	67,495	1,176	2,527	15,525	0.076	0.017
MD-45	0.235	72,716	1,891	2,466	15,057	0.126	0.026
MD-45	0.240	72,148	1,714	2,554	15,491	0.111	0.024
MD-45	0.245	72,555	1,568	2,467	14,996	0.105	0.022
MD-45	0.250	71,177	1,308	2,414	15,026	0.087	0.018
MD-45	0.255	72,798	1,357	2,388	14,463	0.094	0.019
MD-45	0.260	70,577	1,265	2,263	14,762	0.086	0.018
MD-45	0.265	73,230	1,489	2,363	14,851	0.100	0.020
MD-45	0.270	74,759	1,426	2,269	14,386	0.099	0.019
MD-45	0.275	69,722	1,480	2,414	14,781	0.100	0.021
MD-45	0.280	65,835	1,197	2,413	14,915	0.080	0.018
MD-45	0.285	59,696	1,331	2,194	14,863	0.090	0.022
MD-45	0.290	60,278	1,165	2,220	14,592	0.080	0.019
MD-45	0.295	63,876	1,060	2,330	14,955	0.071	0.017
MD-45	0.300	63,626	1,288	2,390	14,774	0.087	0.020
MD-45	0.305	69,317	1,509	2,293	15,122	0.100	0.022

MD-45	0.310	84,929	1,942	2,440	14,228	0.136	0.023
MD-45	0.315	87,013	2,108	2,364	14,189	0.149	0.024
MD-45	0.320	72,832	1,240	2,648	15,599	0.079	0.017
MD-45	0.325	74,407	1,114	2,667	15,689	0.071	0.015
MD-45	0.330	71,148	1,136	2,672	15,827	0.072	0.016
MD-45	0.335	65,047	1,192	2,207	14,340	0.083	0.018
MD-45	0.340	78,087	1,315	2,651	15,366	0.086	0.017
MD-45	0.345	71,057	1,334	2,651	14,790	0.090	0.019
MD-45	0.350	68,573	1,405	2,641	15,445	0.091	0.020
MD-45	0.355	66,555	1,244	2,539	15,264	0.081	0.019
MD-45	0.360	65,657	1,216	2,486	14,891	0.082	0.019
MD-45	0.365	70,537	1,049	2,472	15,053	0.070	0.015
MD-45	0.370	66,805	1,210	2,495	14,808	0.082	0.018
MD-45	0.375	67,452	1,151	2,599	15,467	0.074	0.017
MD-45	0.380	73,642	1,317	2,365	14,766	0.089	0.018
MD-45	0.385	63,530	1,413	2,069	13,521	0.105	0.022
MD-45	0.390	72,845	1,448	2,381	14,395	0.101	0.020
MD-45	0.395	71,453	1,433	2,548	15,441	0.093	0.020
MD-45	0.400	70,959	1,219	2,777	16,129	0.076	0.017
MD-45	0.405	80,650	1,247	2,812	15,723	0.079	0.015
MD-45	0.410	83,894	1,334	2,692	15,491	0.086	0.016
MD-45	0.415	74,015	1,503	2,495	14,599	0.103	0.020
MD-45	0.420	82,759	1,568	2,253	13,774	0.114	0.019
MD-45	0.425	76,332	1,793	2,377	14,846	0.121	0.023
MD-45	0.430	73,352	1,532	2,597	15,435	0.099	0.021
MD-45	0.435	67,128	1,274	2,569	15,505	0.082	0.019
MD-45	0.440	81,627	1,368	2,568	14,928	0.092	0.017
MD-45	0.445	66,234	1,474	2,366	15,218	0.097	0.022
MD-45	0.450	67,389	1,384	2,488	15,201	0.091	0.021
MD-45	0.455	74,500	1,376	2,514	15,118	0.091	0.018
MD-45	0.460	72,930	1,438	2,543	15,429	0.093	0.020

MD-45	0.465	65,855	1,617	1,873	12,749	0.127	0.025
MD-45	0.470	59,104	1,636	1,908	12,602	0.130	0.028
MD-45	0.475	64,130	1,434	2,116	14,121	0.102	0.022
MD-45	0.480	65,516	1,444	2,190	14,089	0.102	0.022
MD-45	0.485	61,900	1,472	2,104	13,987	0.105	0.024
MD-45	0.490	72,200	1,535	2,149	13,970	0.110	0.021
MD-45	0.495	77,851	1,593	2,362	14,125	0.113	0.020
MD-45	0.500	71,183	1,406	2,183	14,370	0.098	0.020
MD-45	0.505	76,741	1,408	2,622	15,173	0.093	0.018
MD-45	0.510	70,799	1,512	2,437	15,347	0.099	0.021
MD-45	0.515	69,503	1,278	2,435	15,072	0.085	0.018
MD-45	0.520	67,869	1,196	2,510	15,272	0.078	0.018
MD-45	0.525	65,697	1,255	2,374	14,877	0.084	0.019
MD-45	0.530	66,199	1,390	2,609	15,724	0.088	0.021
MD-45	0.535	68,328	1,299	2,572	15,487	0.084	0.019
MD-45	0.540	69,709	1,319	2,646	15,463	0.085	0.019
MD-45	0.545	71,658	1,247	2,547	15,655	0.080	0.017
MD-45	0.550	73,071	1,318	2,643	16,080	0.082	0.018
MD-45	0.555	76,945	1,512	2,393	15,218	0.099	0.020
MD-45	0.560	69,007	1,314	2,490	15,555	0.084	0.019
MD-45	0.565	76,549	1,384	2,751	15,737	0.088	0.018
MD-45	0.570	76,959	1,378	2,608	15,487	0.089	0.018
MD-45	0.575	64,948	1,321	2,080	13,241	0.100	0.020
MD-45	0.580	63,439	1,230	2,198	13,797	0.089	0.019
MD-45	0.585	65,471	1,368	2,356	14,182	0.096	0.021
MD-45	0.590	71,029	1,581	2,133	13,565	0.117	0.022
MD-45	0.595	61,000	1,593	2,313	14,647	0.109	0.026
MD-45	0.600	70,169	1,548	2,274	14,280	0.108	0.022
MD-45	0.605	72,808	1,787	2,112	13,854	0.129	0.025
MD-45	0.610	64,338	1,498	2,344	14,397	0.104	0.023
MD-45	0.615	65,043	1,482	2,409	14,774	0.100	0.023

MD-45	0.620	64,934	1,362	2,541	15,590	0.087	0.021
MD-45	0.625	72,476	1,722	2,640	15,397	0.112	0.024
MD-45	0.630	63,001	1,466	2,435	15,013	0.098	0.023
MD-45	0.635	57,861	1,351	2,717	15,981	0.085	0.023
MD-45	0.640	57,446	1,086	2,887	16,547	0.066	0.019
MD-45	0.645	60,391	1,126	2,865	16,398	0.069	0.019
MD-45	0.650	59,846	1,104	2,897	16,890	0.065	0.018
MD-45	0.655	57,164	1,077	2,981	16,650	0.065	0.019
MD-45	0.660	56,367	1,101	2,897	16,467	0.067	0.020
MD-45	0.665	59,139	989	2,847	16,680	0.059	0.017
MD-45	0.670	63,536	1,119	2,916	16,654	0.067	0.018
MD-45	0.675	71,151	1,233	2,993	16,685	0.074	0.017
MD-45	0.680	66,183	1,628	2,721	15,997	0.102	0.025
MD-45	0.685	63,811	1,346	2,719	16,120	0.083	0.021
MD-45	0.690	60,062	1,336	2,930	16,382	0.082	0.022
MD-45	0.695	75,961	1,332	3,024	16,309	0.082	0.018
MD-45	0.700	87,672	1,681	2,715	16,109	0.104	0.019
MD-45	0.705	73,490	1,665	2,478	15,178	0.110	0.023
MD-45	0.710	63,561	1,376	2,712	16,149	0.085	0.022
MD-45	0.715	59,641	1,413	2,809	15,956	0.089	0.024
MD-45	0.720	62,706	1,172	2,443	15,066	0.078	0.019
MD-45	0.725	60,975	1,148	2,625	15,285	0.075	0.019
MD-45	0.730	58,610	1,380	2,750	16,270	0.085	0.024
MD-45	0.735	56,598	1,174	2,843	16,149	0.073	0.021
MD-45	0.740	55,703	1,174	2,900	16,440	0.071	0.021
MD-45	0.745	57,748	1,230	2,805	16,111	0.076	0.021
MD-45	0.750	58,905	1,197	2,920	16,485	0.073	0.020
MD-45	0.755	60,289	1,032	2,923	16,657	0.062	0.017
MD-45	0.760	65,303	1,179	3,072	16,690	0.071	0.018
MD-45	0.765	62,112	1,103	3,091	17,294	0.064	0.018
MD-45	0.770	60,749	1,085	2,986	17,090	0.063	0.018

MD-45	0.775	63,662	1,237	3,087	17,005	0.073	0.019
MD-45	0.780	63,888	1,199	3,131	16,877	0.071	0.019
MD-45	0.785	61,115	1,038	2,985	16,696	0.062	0.017
MD-45	0.790	51,986	1,167	2,968	16,136	0.072	0.022
MD-45	0.795	48,218	933	2,489	14,938	0.062	0.019
MD-45	0.800	49,607	876	2,797	15,171	0.058	0.018
MD-45	0.805	60,111	1,051	2,761	15,681	0.067	0.017
MD-45	0.810	55,685	1,008	2,962	16,246	0.062	0.018
MD-45	0.815	45,305	873	2,817	15,986	0.055	0.019
MD-45	0.820	42,979	878	2,733	15,531	0.057	0.020
MD-45	0.825	46,315	1,917	2,780	15,767	0.122	0.041
MD-45	0.830	47,933	1,074	2,844	16,379	0.066	0.022
MD-45	0.835	36,635	817	2,982	16,622	0.049	0.022
MD-45	0.840	41,885	960	2,715	15,508	0.062	0.023
MD-45	0.845	52,057	1,132	2,623	15,199	0.074	0.022
MD-45	0.850	50,508	1,030	2,665	15,825	0.065	0.020
MD-45	0.855	38,519	988	2,530	15,392	0.064	0.026
MD-45	0.860	37,297	904	2,897	16,335	0.055	0.024
MD-45	0.865	34,395	784	2,761	15,692	0.050	0.023
MD-45	0.870	37,142	677	2,755	16,055	0.042	0.018
MD-45	0.875	41,427	716	2,501	15,673	0.046	0.017
MD-45	0.880	45,649	931	2,623	15,858	0.059	0.020
MD-45	0.885	47,129	1,080	2,712	15,783	0.068	0.023
MD-45	0.890	44,334	1,042	2,708	15,629	0.067	0.024
MD-45	0.895	45,768	1,142	2,646	15,547	0.073	0.025
MD-45	0.900	44,892	1,386	2,703	16,150	0.086	0.031
MD-45	0.905	37,129	1,191	2,754	15,898	0.075	0.032
MD-45	0.910	39,954	951	2,942	16,211	0.059	0.024
MD-45	0.915	45,060	1,400	2,947	16,310	0.086	0.031
MD-45	0.920	47,179	1,513	2,806	15,814	0.096	0.032
MD-45	0.925	42,939	1,236	2,784	15,968	0.077	0.029

MD-45	0.930	35,606	1,065	2,821	16,004	0.067	0.030
MD-45	0.935	34,170	981	2,994	16,299	0.060	0.029
MD-45	0.940	34,887	947	3,084	16,987	0.056	0.027
MD-45	0.945	39,591	1,060	2,974	16,733	0.063	0.027
MD-45	0.950	33,539	937	3,072	16,802	0.056	0.028
MD-45	0.955	34,761	586	3,236	16,586	0.035	0.017
MD-45	0.960	31,076	860	3,118	16,948	0.051	0.028
MD-45	0.965	30,925	602	3,126	16,815	0.036	0.019
MD-45	0.970	26,675	782	2,993	16,575	0.047	0.029
MD-45	0.975	24,295	641	2,983	16,585	0.039	0.026
MD-45	0.980	28,370	704	3,149	16,862	0.042	0.025
MD-45	0.985	30,987	603	3,050	16,568	0.036	0.019
MD-45	0.990	34,711	737	2,980	16,452	0.045	0.021
MD-45	0.995	40,531	821	2,903	16,159	0.051	0.020
MD-45	1.000	34,102	626	2,874	16,101	0.039	0.018
MD-45	1.005	24,872	704	2,896	16,236	0.043	0.028
MD-45	1.010	22,277	600	3,052	16,763	0.036	0.027
MD-45	1.015	21,773	633	3,038	16,145	0.039	0.029
MD-45	1.020	24,193	612	2,800	15,886	0.039	0.025
MD-45	1.025	24,745	697	2,939	15,968	0.044	0.028
MD-45	1.030	28,519	552	2,894	16,173	0.034	0.019
MD-45	1.035	37,406	682	2,972	16,410	0.042	0.018
MD-45	1.040	42,586	1,070	3,003	16,151	0.066	0.025
MD-45	1.045	26,915	974	3,070	16,914	0.058	0.036
MD-45	1.050	26,475	594	3,099	17,067	0.035	0.022
MD-45	1.055	30,662	642	3,131	17,398	0.037	0.021
MD-45	1.060	25,672	630	3,096	17,024	0.037	0.025
MD-45	1.065	29,019	527	3,229	17,208	0.031	0.018
MD-45	1.070	38,583	712	3,308	17,376	0.041	0.018
MD-45	1.075	34,920	629	3,288	17,186	0.037	0.018
MD-45	1.080	27,782	635	3,340	17,677	0.036	0.023

MD-45	1.085	22,704	548	3,403	17,713	0.031	0.024
MD-45	1.090	21,648	672	3,332	17,856	0.038	0.031
MD-45	1.095	22,369	492	3,289	17,680	0.028	0.022
MD-45	1.100	21,416	600	3,212	17,338	0.035	0.028
MD-45	1.105	22,957	613	3,430	18,015	0.034	0.027
MD-45	1.110	23,614	431	3,380	17,804	0.024	0.018
MD-45	1.115	23,436	556	3,353	17,974	0.031	0.024
MD-45	1.120	24,715	736	3,605	18,304	0.040	0.030
MD-45	1.125	22,756	610	3,384	17,957	0.034	0.027
MD-45	1.130	22,522	504	3,456	18,071	0.028	0.022
MD-45	1.135	21,651	593	3,384	17,806	0.033	0.027
MD-45	1.140	22,570	523	3,457	18,111	0.029	0.023
MD-45	1.145	22,925	709	3,353	17,980	0.039	0.031
MD-45	1.150	22,702	590	3,396	18,134	0.033	0.026
MD-45	1.155	23,869	600	3,343	17,925	0.033	0.025
MD-45	1.160	24,252	642	3,129	17,437	0.037	0.026
MD-45	1.165	25,992	588	3,247	17,537	0.034	0.023
MD-45	1.170	29,166	854	3,406	17,777	0.048	0.029
MD-45	1.175	28,328	880	3,280	17,428	0.050	0.031
MD-45	1.180	23,001	785	3,287	17,545	0.045	0.034
MD-45	1.185	22,875	696	3,060	17,163	0.041	0.030
MD-45	1.190	26,928	700	2,920	16,710	0.042	0.026
MD-45	1.195	31,691	662	3,121	17,101	0.039	0.021
MD-45	1.200	51,938	996	2,905	16,929	0.059	0.019
MD-45	1.205	47,820	1,014	3,004	16,575	0.061	0.021
MD-45	1.210	41,865	1,058	3,047	16,917	0.063	0.025
MD-45	1.215	34,970	870	2,894	16,702	0.052	0.025
MD-45	1.220	29,976	734	2,962	17,110	0.043	0.024
MD-45	1.225	31,156	604	3,148	17,173	0.035	0.019
MD-45	1.230	35,906	675	3,067	16,733	0.040	0.019
MD-45	1.235	31,333	781	3,045	16,934	0.046	0.025

MD-45	1.240	25,180	616	3,078	16,511	0.037	0.024
MD-45	1.245	26,444	529	2,842	16,146	0.033	0.020
MD-45	1.250	26,057	476	2,884	16,339	0.029	0.018
MD-45	1.255	29,816	587	3,160	16,969	0.035	0.020
MD-45	1.260	30,230	638	3,116	17,070	0.037	0.021
MD-45	1.265	27,773	608	3,079	17,299	0.035	0.022
MD-45	1.270	25,435	713	3,083	16,932	0.042	0.028
MD-45	1.275	25,753	551	2,959	16,610	0.033	0.021
MD-45	1.280	34,254	586	2,924	16,383	0.036	0.017
MD-45	1.285	25,278	593	2,726	15,881	0.037	0.023
MD-45	1.290	26,927	575	2,659	15,892	0.036	0.021
MD-45	1.295	29,970	517	2,930	16,545	0.031	0.017
MD-45	1.300	28,085	578	3,142	16,756	0.034	0.021
MD-45	1.305	23,483	638	2,976	16,791	0.038	0.027
MD-45	1.310	21,971	579	2,924	16,609	0.035	0.026
MD-45	1.315	21,337	564	2,781	16,031	0.035	0.026
MD-45	1.320	21,305	559	2,791	16,462	0.034	0.026
MD-45	1.325	21,998	628	2,870	16,732	0.038	0.029
MD-45	1.330	24,998	699	3,018	17,007	0.041	0.028
MD-45	1.335	22,083	399	2,859	16,369	0.024	0.018
MD-45	1.340	21,319	543	2,714	16,240	0.033	0.025
MD-45	1.345	20,990	674	2,840	16,269	0.041	0.032
MD-45	1.350	21,519	580	2,772	15,929	0.036	0.027
MD-45	1.355	21,480	551	2,957	16,552	0.033	0.026
MD-45	1.360	22,399	577	2,944	16,660	0.035	0.026
MD-45	1.365	21,713	507	3,004	16,577	0.031	0.023
MD-45	1.370	23,013	559	3,125	17,265	0.032	0.024
MD-45	1.375	26,334	528	3,039	17,323	0.030	0.020
MD-45	1.380	26,818	479	3,021	17,010	0.028	0.018
MD-45	1.385	23,627	521	2,883	16,761	0.031	0.022
MD-45	1.390	24,780	601	2,877	17,105	0.035	0.024

MD-45	1.395	25,184	578	3,342	17,430	0.033	0.023
MD-45	1.400	24,782	518	3,072	17,494	0.030	0.021
MD-45	1.405	21,756	681	3,185	17,848	0.038	0.031
MD-45	1.410	19,621	636	2,929	17,468	0.036	0.032
MD-45	1.415	20,209	606	2,958	17,511	0.035	0.030
MD-45	1.420	22,121	561	2,991	17,571	0.032	0.025
MD-45	1.425	22,288	633	3,393	18,342	0.035	0.028
MD-45	1.430	21,652	482	3,417	18,623	0.026	0.022
MD-45	1.435	22,436	588	3,269	18,194	0.032	0.026
MD-45	1.440	22,001	645	3,282	17,955	0.036	0.029
MD-45	1.445	22,586	597	3,463	18,612	0.032	0.026
MD-45	1.450	22,227	631	3,650	18,873	0.033	0.028
MD-45	1.455	22,222	539	3,486	18,714	0.029	0.024
MD-45	1.460	21,648	626	3,602	18,795	0.033	0.029
MD-45	1.465	23,080	626	3,813	19,662	0.032	0.027
MD-45	1.470	24,372	728	3,647	19,018	0.038	0.030
MD-45	1.475	22,732	585	3,483	18,694	0.031	0.026
MD-45	1.480	21,258	655	3,061	16,944	0.039	0.031
MD-45	1.485	20,844	598	2,929	15,458	0.039	0.029
MD-45	1.505	23,537	637	3,412	17,829	0.036	0.027
MD-45	1.510	22,880	590	3,390	17,989	0.033	0.026
MD-45	1.515	21,603	609	3,664	18,577	0.033	0.028
MD-45	1.520	23,456	583	3,496	17,971	0.032	0.025
MD-45	1.525	20,910	688	3,399	17,620	0.039	0.033
MD-45	1.530	21,802	593	3,430	17,040	0.035	0.027
MD-45	1.535	21,086	791	2,945	16,353	0.048	0.038
MD-45	1.540	18,638	580	3,145	16,487	0.035	0.031
MD-45	1.545	19,432	504	3,209	17,067	0.030	0.026
MD-45	1.550	19,070	544	3,210	16,582	0.033	0.029
MD-45	1.555	20,069	667	3,171	17,022	0.039	0.033
MD-45	1.560	20,484	587	3,196	17,105	0.034	0.029

MD-45	1.565	19,747	557	3,075	16,587	0.034	0.028
MD-45	1.570	20,951	573	3,203	17,113	0.033	0.027
MD-45	1.575	19,295	499	3,038	16,706	0.030	0.026
MD-45	1.580	19,990	567	3,135	16,632	0.034	0.028
MD-45	1.585	20,249	567	3,277	16,931	0.033	0.028
MD-45	1.590	18,969	495	3,231	17,077	0.029	0.026
MD-45	1.595	19,693	530	3,079	16,667	0.032	0.027
MD-45	1.600	18,397	591	3,137	16,582	0.036	0.032
MD-45	1.605	19,740	517	3,395	16,670	0.031	0.026
MD-45	1.610	27,066	769	3,165	16,612	0.046	0.028
MD-45	1.615	21,650	647	3,077	16,770	0.039	0.030
MD-45	1.620	19,803	619	3,064	16,603	0.037	0.031
MD-45	1.625	21,202	595	3,206	16,882	0.035	0.028
MD-45	1.630	21,739	602	3,108	17,138	0.035	0.028
MD-45	1.635	23,327	633	3,342	17,741	0.036	0.027
MD-45	1.640	20,296	730	3,120	16,672	0.044	0.036
MD-45	1.645	21,694	604	3,036	16,491	0.037	0.028
MD-45	1.650	19,715	714	2,916	15,897	0.045	0.036
MD-45	1.655	20,329	561	2,743	15,488	0.036	0.028
MD-45	1.660	20,776	649	2,876	16,177	0.040	0.031
MD-45	1.665	20,098	599	2,992	16,678	0.036	0.030
MD-45	1.670	20,124	646	2,847	15,841	0.041	0.032
MD-45	1.675	20,411	556	3,019	16,843	0.033	0.027
MD-45	1.680	22,296	662	3,152	17,248	0.038	0.030
MD-45	1.685	20,319	473	2,738	15,679	0.030	0.023
MD-45	1.690	18,027	727	2,473	14,900	0.049	0.040
MD-45	1.695	19,201	649	2,833	16,339	0.040	0.034
MD-45	1.700	19,376	670	2,881	16,342	0.041	0.035
MD-45	1.705	22,966	549	2,866	16,266	0.034	0.024
MD-45	1.710	20,157	526	3,025	17,035	0.031	0.026
MD-45	1.715	20,915	509	3,106	16,953	0.030	0.024

MD-45	1.720	20,140	645	3,217	17,079	0.038	0.032
MD-45	1.725	21,958	545	2,989	16,736	0.033	0.025
MD-45	1.730	18,161	483	2,305	13,679	0.035	0.027
MD-45	1.735	17,885	459	2,307	14,476	0.032	0.026
MD-45	1.740	18,212	640	2,538	14,988	0.043	0.035
MD-45	1.745	19,507	464	2,646	16,039	0.029	0.024
MD-45	1.750	18,813	616	2,578	15,647	0.039	0.033
MD-45	1.755	17,213	540	2,253	14,396	0.038	0.031
MD-45	1.760	16,255	522	2,162	13,754	0.038	0.032
MD-45	1.765	16,154	498	2,081	13,686	0.036	0.031
MD-45	1.770	16,308	510	2,138	14,349	0.036	0.031
MD-45	1.775	16,650	597	2,132	14,365	0.042	0.036
MD-45	1.780	16,766	546	2,283	14,680	0.037	0.033
MD-45	1.785	16,834	407	2,482	15,351	0.027	0.024
MD-45	1.790	17,517	577	2,469	15,244	0.038	0.033
MD-45	1.795	19,724	558	2,798	16,340	0.034	0.028
MD-45	1.800	18,372	570	2,456	15,693	0.036	0.031
MD-45	1.805	21,761	785	2,668	15,659	0.050	0.036
MD-45	1.810	19,628	833	2,529	15,142	0.055	0.042
MD-45	1.815	18,338	669	2,235	14,477	0.046	0.036
MD-45	1.820	18,174	814	2,196	14,885	0.055	0.045
MD-45	1.825	18,980	681	2,535	15,057	0.045	0.036
MD-45	1.830	19,085	677	2,712	15,876	0.043	0.035
MD-45	1.835	19,721	621	2,598	15,744	0.039	0.031
MD-45	1.840	18,551	1,224	2,539	15,792	0.078	0.066
MD-45	1.845	18,992	811	2,796	16,116	0.050	0.043
MD-45	1.850	21,198	602	3,067	16,751	0.036	0.028
MD-45	1.855	20,070	768	3,122	17,212	0.045	0.038
MD-45	1.860	21,707	591	3,059	17,133	0.034	0.027
MD-45	1.865	22,252	547	3,080	17,329	0.032	0.025
MD-45	1.870	24,103	702	3,492	18,260	0.038	0.029

MD-45	1.875	24,782	662	3,393	17,987	0.037	0.027
MD-45	1.880	21,803	674	3,095	17,090	0.039	0.031
MD-45	1.885	22,035	685	2,997	16,666	0.041	0.031
MD-45	1.890	19,415	551	2,731	15,740	0.035	0.028
MD-45	1.895	21,593	681	3,070	16,333	0.042	0.032
MD-45	1.900	20,861	595	2,773	16,003	0.037	0.029
MD-45	1.905	21,002	550	3,131	16,970	0.032	0.026
MD-45	1.910	22,482	588	3,206	17,565	0.033	0.026
MD-45	1.915	23,051	623	3,445	18,142	0.034	0.027
MD-45	1.920	23,076	542	3,341	17,690	0.031	0.023
MD-45	1.925	22,037	554	3,214	17,349	0.032	0.025
MD-45	1.930	21,148	672	3,254	17,781	0.038	0.032
MD-45	1.935	20,526	708	2,955	16,836	0.042	0.034
MD-45	1.940	20,540	627	2,950	15,844	0.040	0.031
MD-45	1.945	23,684	769	2,499	15,191	0.051	0.032
MD-45	1.950	22,876	633	2,407	14,295	0.044	0.028
MD-45	1.955	23,004	702	2,707	16,171	0.043	0.031
MD-45	1.960	20,747	720	2,784	16,283	0.044	0.035
MD-45	1.965	19,519	782	2,567	15,575	0.050	0.040
MD-45	1.970	19,549	782	2,698	16,117	0.049	0.040
MD-45	1.975	18,841	595	2,783	16,127	0.037	0.032
MD-45	1.980	18,281	619	2,632	15,689	0.039	0.034
MD-45	1.985	18,491	508	2,822	16,238	0.031	0.027
MD-45	1.990	19,817	722	2,761	16,326	0.044	0.036
MD-45	1.995	19,357	615	2,786	17,054	0.036	0.032
MD-45	2.000	20,495	636	2,801	16,707	0.038	0.031
MD-45	2.005	20,719	585	3,024	16,756	0.035	0.028
MD-45	2.010	19,187	651	2,676	15,729	0.041	0.034
MD-45	2.015	20,153	653	2,828	16,295	0.040	0.032
MD-45	2.020	20,642	644	2,883	16,760	0.038	0.031
MD-45	2.025	21,313	553	2,947	16,259	0.034	0.026

MD-45	2.030	22,165	597	2,959	16,131	0.037	0.027
MD-45	2.035	21,385	641	2,913	16,613	0.039	0.030
MD-45	2.040	18,927	628	2,591	15,541	0.040	0.033
MD-45	2.045	18,809	720	2,600	15,205	0.047	0.038
MD-45	2.050	19,991	622	2,655	15,180	0.041	0.031
MD-45	2.055	20,714	617	2,912	16,523	0.037	0.030
MD-45	2.060	20,208	524	2,763	15,867	0.033	0.026
MD-45	2.065	21,478	610	2,956	16,771	0.036	0.028
MD-45	2.070	20,002	518	2,715	16,532	0.031	0.026
MD-45	2.075	19,455	590	2,759	16,277	0.036	0.030
MD-45	2.080	19,347	604	2,835	16,205	0.037	0.031
MD-45	2.085	18,805	470	2,708	15,595	0.030	0.025
MD-45	2.090	20,036	698	2,579	15,620	0.045	0.035
MD-45	2.095	18,681	521	2,512	15,112	0.034	0.028
MD-45	2.100	20,672	562	2,734	15,561	0.036	0.027
MD-45	2.105	19,777	644	2,794	16,204	0.040	0.033
MD-45	2.110	20,976	613	2,887	16,502	0.037	0.029
MD-45	2.115	20,422	498	2,482	15,523	0.032	0.024
MD-45	2.120	22,798	584	2,755	16,185	0.036	0.026
MD-45	2.125	20,779	677	2,956	16,752	0.040	0.033
MD-45	2.130	21,529	577	2,996	16,570	0.035	0.027
MD-45	2.135	20,228	561	3,062	16,758	0.033	0.028
MD-45	2.140	18,458	587	2,677	16,401	0.036	0.032
MD-45	2.145	18,382	494	2,987	16,767	0.029	0.027
MD-45	2.150	18,964	521	3,020	16,644	0.031	0.027
MD-45	2.155	18,444	647	2,966	17,013	0.038	0.035
MD-45	2.160	19,919	532	3,110	17,216	0.031	0.027
MD-45	2.165	19,797	607	3,083	17,071	0.036	0.031
MD-45	2.170	19,503	609	3,023	16,841	0.036	0.031
MD-45	2.175	20,802	632	3,005	16,978	0.037	0.030
MD-45	2.180	20,593	654	2,995	16,963	0.039	0.032

MD-45	2.185	19,781	595	3,134	17,151	0.035	0.030
MD-45	2.190	20,322	625	3,237	17,686	0.035	0.031
MD-45	2.195	21,363	612	3,347	17,926	0.034	0.029
MD-45	2.200	20,942	593	3,109	16,781	0.035	0.028
MD-45	2.205	20,736	627	3,209	16,890	0.037	0.030
MD-45	2.210	19,804	586	2,979	16,866	0.035	0.030
MD-45	2.215	20,337	625	3,088	17,192	0.036	0.031
MD-45	2.220	21,004	605	3,297	17,602	0.034	0.029
MD-45	2.225	21,365	600	3,289	17,666	0.034	0.028
MD-45	2.230	21,937	652	3,214	17,438	0.037	0.030
MD-45	2.235	22,725	572	3,121	16,899	0.034	0.025
MD-45	2.240	21,567	671	2,917	16,335	0.041	0.031
MD-45	2.245	19,253	499	2,843	16,693	0.030	0.026
MD-45	2.250	19,275	678	3,057	17,129	0.040	0.035
MD-45	2.255	19,365	677	3,297	17,765	0.038	0.035
MD-45	2.260	19,640	561	3,245	17,021	0.033	0.029
MD-45	2.265	19,684	528	3,028	17,001	0.031	0.027
MD-45	2.270	19,275	654	2,830	16,674	0.039	0.034
MD-45	2.275	19,237	625	2,838	16,287	0.038	0.032
MD-45	2.280	18,787	590	2,772	16,029	0.037	0.031
MD-45	2.285	20,644	656	3,161	17,219	0.038	0.032
MD-45	2.290	20,304	713	3,235	17,264	0.041	0.035
MD-45	2.295	21,079	552	3,177	17,307	0.032	0.026
MD-45	2.300	19,167	637	3,182	17,452	0.037	0.033
MD-45	2.305	19,668	624	2,998	16,870	0.037	0.032
MD-45	2.310	18,143	616	3,103	16,931	0.036	0.034
MD-45	2.315	18,184	691	2,653	15,632	0.044	0.038
MD-45	2.320	17,923	668	3,009	16,546	0.040	0.037
MD-45	2.325	20,298	483	3,137	16,847	0.029	0.024
MD-45	2.330	21,615	640	3,317	17,815	0.036	0.030
MD-45	2.335	21,873	580	3,256	17,598	0.033	0.027

MD-45	2.340	21,969	609	3,371	18,013	0.034	0.028
MD-45	2.345	20,402	620	3,467	17,849	0.035	0.030
MD-45	2.350	20,071	633	3,244	17,601	0.036	0.032
MD-45	2.355	20,062	669	3,040	16,953	0.039	0.033
MD-45	2.360	20,183	573	3,215	17,445	0.033	0.028
MD-45	2.365	21,390	519	3,357	17,485	0.030	0.024
MD-45	2.370	20,204	652	3,143	17,298	0.038	0.032
MD-45	2.375	19,112	547	3,201	17,034	0.032	0.029
MD-45	2.380	20,173	621	3,293	17,336	0.036	0.031
MD-45	2.385	20,084	736	3,267	17,203	0.043	0.037
MD-45	2.390	18,455	675	3,214	17,372	0.039	0.037
MD-45	2.395	18,780	492	3,143	17,210	0.029	0.026
MD-45	2.400	18,610	574	3,121	16,978	0.034	0.031
MD-45	2.405	18,203	703	2,933	16,811	0.042	0.039
MD-45	2.410	18,337	625	3,236	17,686	0.035	0.034
MD-45	2.415	18,575	641	3,186	17,537	0.037	0.035
MD-45	2.420	19,066	498	3,002	17,337	0.029	0.026
MD-45	2.425	19,407	422	3,198	17,817	0.024	0.022
MD-45	2.430	19,278	526	3,286	17,710	0.030	0.027
MD-45	2.435	19,527	522	3,224	17,793	0.029	0.027
MD-45	2.440	19,974	581	3,309	18,120	0.032	0.029
MD-45	2.445	20,717	547	3,361	18,069	0.030	0.026
MD-45	2.450	19,532	577	3,333	17,758	0.032	0.030
MD-45	2.455	20,388	536	3,174	17,816	0.030	0.026
MD-45	2.460	19,268	506	3,355	17,799	0.028	0.026
MD-45	2.465	19,371	494	3,360	18,066	0.027	0.026
MD-45	2.470	19,488	467	3,357	17,986	0.026	0.024
MD-45	2.475	20,187	652	3,395	17,906	0.036	0.032
MD-45	2.480	19,044	651	3,149	17,451	0.037	0.034
MD-45	2.485	19,430	570	3,124	17,928	0.032	0.029
MD-45	2.490	18,966	527	3,362	18,139	0.029	0.028

MD-45	2.495	18,820	524	3,400	18,107	0.029	0.028
MD-45	2.500	19,646	636	3,449	18,493	0.034	0.032
MD-45	2.505	21,622	568	3,410	18,021	0.032	0.026
MD-45	2.510	19,094	555	3,227	17,473	0.032	0.029
MD-45	2.515	19,423	624	3,178	17,693	0.035	0.032
MD-45	2.520	20,377	622	3,167	17,553	0.035	0.031
MD-45	2.525	26,548	778	3,301	17,685	0.044	0.029
MD-45	2.530	22,084	681	3,173	17,466	0.039	0.031
MD-45	2.535	20,603	777	3,135	17,190	0.045	0.038
MD-45	2.540	21,241	510	3,064	17,123	0.030	0.024
MD-45	2.545	20,646	596	3,285	17,346	0.034	0.029
MD-45	2.550	21,607	487	3,195	17,166	0.028	0.023
MD-45	2.555	21,224	655	3,410	18,007	0.036	0.031
MD-45	2.560	20,811	639	3,163	17,599	0.036	0.031
MD-45	2.565	21,501	513	3,242	17,504	0.029	0.024
MD-45	2.570	20,929	663	3,363	17,430	0.038	0.032
MD-45	2.575	21,757	553	3,354	17,597	0.031	0.025
MD-45	2.580	21,992	643	3,526	18,377	0.035	0.029
MD-45	2.585	22,175	481	3,405	17,703	0.027	0.022
MD-45	2.590	22,205	495	3,491	17,831	0.028	0.022
MD-45	2.595	21,409	535	3,445	17,475	0.031	0.025
MD-45	2.600	22,296	588	3,471	17,837	0.033	0.026
MD-45	2.605	22,102	731	3,461	17,945	0.041	0.033
MD-45	2.610	21,036	626	3,450	18,000	0.035	0.030
MD-45	2.615	22,666	756	3,601	18,174	0.042	0.033
MD-45	2.620	26,148	703	3,515	17,991	0.039	0.027
MD-45	2.625	24,373	693	3,511	18,369	0.038	0.028
MD-45	2.630	24,615	624	3,476	18,036	0.035	0.025
MD-45	2.635	21,887	632	3,529	18,375	0.034	0.029
MD-45	2.640	22,485	545	3,690	18,398	0.030	0.024
MD-45	2.645	22,119	678	3,533	18,478	0.037	0.031

MD-45	2.650	20,886	692	3,380	17,907	0.039	0.033
MD-45	2.655	20,582	634	3,282	18,283	0.035	0.031
MD-45	2.660	22,080	660	3,646	18,726	0.035	0.030
MD-45	2.665	21,400	667	3,634	18,846	0.035	0.031
MD-45	2.670	22,744	756	3,668	18,738	0.040	0.033
MD-45	2.675	22,265	623	3,352	18,152	0.034	0.028
MD-45	2.680	22,121	584	3,420	18,278	0.032	0.026
MD-45	2.685	21,389	649	3,327	18,160	0.036	0.030
MD-45	2.690	21,665	640	3,365	17,909	0.036	0.030
MD-45	2.695	21,406	625	3,565	18,432	0.034	0.029
MD-45	2.700	21,909	619	3,282	17,535	0.035	0.028
MD-45	2.705	26,769	612	3,133	16,752	0.037	0.023
MD-45	2.710	25,661	679	3,308	17,562	0.039	0.026
MD-45	2.715	23,405	677	3,355	17,139	0.040	0.029
MD-45	2.720	21,552	695	3,260	17,750	0.039	0.032
MD-45	2.725	21,168	508	3,151	17,879	0.028	0.024
MD-45	2.730	22,425	669	3,343	17,572	0.038	0.030
MD-45	2.735	22,658	692	3,398	17,830	0.039	0.031
MD-45	2.740	22,754	606	3,672	18,484	0.033	0.027
MD-45	2.745	23,002	697	3,598	18,952	0.037	0.030
MD-45	2.750	22,755	743	3,489	18,091	0.041	0.033
MD-45	2.755	22,291	720	3,668	18,624	0.039	0.032
MD-45	2.760	22,761	635	3,650	18,560	0.034	0.028
MD-45	2.765	22,743	790	3,130	17,121	0.046	0.035
MD-45	2.770	23,488	651	3,425	17,538	0.037	0.028
MD-45	2.775	22,737	672	3,348	17,350	0.039	0.030
MD-45	2.780	21,518	497	3,428	17,633	0.028	0.023
MD-45	2.785	20,841	570	3,230	17,308	0.033	0.027
MD-45	2.790	22,657	635	3,331	17,424	0.036	0.028
MD-45	2.795	20,802	567	2,983	16,500	0.034	0.027
MD-45	2.800	23,066	598	3,102	16,415	0.036	0.026

MD-45	2.805	19,801	597	2,906	16,261	0.037	0.030
MD-45	2.810	20,249	595	2,991	16,517	0.036	0.029
MD-45	2.815	20,224	669	2,945	16,645	0.040	0.033
MD-45	2.820	21,578	621	3,131	16,719	0.037	0.029
MD-45	2.825	21,642	664	2,774	16,178	0.041	0.031
MD-45	2.830	20,114	703	3,089	16,616	0.042	0.035
MD-45	2.835	20,540	554	3,209	17,495	0.032	0.027
MD-45	2.840	21,515	563	3,123	17,229	0.033	0.026
MD-45	2.845	21,484	536	3,130	17,077	0.031	0.025
MD-45	2.850	20,514	667	2,929	16,501	0.040	0.033
MD-45	2.855	20,713	498	2,917	17,046	0.029	0.024
MD-45	2.860	20,487	635	3,198	17,229	0.037	0.031
MD-45	2.865	20,370	715	3,105	17,126	0.042	0.035
MD-45	2.870	21,353	655	3,017	16,999	0.039	0.031
MD-45	2.875	20,509	586	3,112	17,052	0.034	0.029
MD-45	2.880	21,398	580	3,196	17,137	0.034	0.027
MD-45	2.885	22,642	577	3,292	17,543	0.033	0.025
MD-45	2.890	22,547	626	3,323	17,795	0.035	0.028
MD-45	2.895	23,084	697	3,024	16,403	0.042	0.030
MD-45	2.900	23,275	618	3,191	17,680	0.035	0.027
MD-45	2.905	20,882	670	3,203	17,222	0.039	0.032
MD-45	2.910	18,418	626	2,761	15,838	0.040	0.034
MD-45	2.915	19,438	619	3,013	16,482	0.038	0.032
MD-45	2.920	20,012	616	3,216	17,591	0.035	0.031
MD-45	2.925	22,290	592	3,389	17,479	0.034	0.027
MD-45	2.930	21,497	654	3,468	17,739	0.037	0.030
MD-45	2.935	23,040	563	3,568	18,128	0.031	0.024
MD-45	2.940	22,913	703	3,573	18,024	0.039	0.031
MD-45	2.945	21,685	679	3,359	17,607	0.039	0.031
MD-45	2.950	22,790	563	3,587	18,128	0.031	0.025
MD-45	2.955	23,473	586	3,228	17,801	0.033	0.025

MD-45	2.960	23,035	693	3,566	17,950	0.039	0.030
MD-45	2.965	24,277	706	3,579	18,692	0.038	0.029
MD-45	2.970	26,349	674	3,571	18,458	0.037	0.026
MD-45	2.975	22,139	511	3,719	19,096	0.027	0.023
MD-45	2.980	22,542	674	3,621	19,097	0.035	0.030
MD-45	3.005	19,449	619	3,189	16,975	0.036	0.032
MD-45	3.010	21,018	643	3,196	16,971	0.038	0.031
MD-45	3.015	19,850	484	3,108	16,754	0.029	0.024
MD-45	3.020	19,486	735	3,277	17,166	0.043	0.038
MD-45	3.025	21,210	619	3,181	17,199	0.036	0.029
MD-45	3.030	20,792	575	3,074	16,689	0.034	0.028
MD-45	3.035	19,206	419	3,173	16,758	0.025	0.022
MD-45	3.040	20,832	617	3,228	17,184	0.036	0.030
MD-45	3.045	20,996	501	3,169	16,699	0.030	0.024
MD-45	3.050	19,828	559	3,392	17,464	0.032	0.028
MD-45	3.055	20,356	559	3,344	17,464	0.032	0.027
MD-45	3.060	18,944	598	3,294	17,272	0.035	0.032
MD-45	3.065	18,853	536	3,238	17,191	0.031	0.028
MD-45	3.070	19,423	660	3,359	17,240	0.038	0.034
MD-45	3.075	20,383	663	3,183	17,322	0.038	0.033
MD-45	3.080	20,166	690	3,480	17,792	0.039	0.034
MD-45	3.085	20,030	620	3,473	17,722	0.035	0.031
MD-45	3.090	19,261	664	3,565	18,331	0.036	0.034
MD-45	3.095	20,150	645	3,590	18,426	0.035	0.032
MD-45	3.100	20,123	589	3,372	17,946	0.033	0.029
MD-45	3.105	20,391	545	3,362	18,442	0.030	0.027
MD-45	3.110	20,649	453	3,390	17,667	0.026	0.022
MD-45	3.115	18,184	711	3,197	17,157	0.041	0.039
MD-45	3.120	18,618	714	3,116	17,229	0.041	0.038
MD-45	3.125	18,414	582	3,221	17,693	0.033	0.032
MD-45	3.130	17,194	594	3,249	17,410	0.034	0.035

MD-45	3.135	19,161	529	3,040	16,804	0.031	0.028
MD-45	3.140	19,326	456	3,316	17,967	0.025	0.024
MD-45	3.145	17,856	525	3,152	17,057	0.031	0.029
MD-45	3.150	19,388	675	3,019	16,281	0.041	0.035
MD-45	3.155	20,276	639	3,428	17,852	0.036	0.032
MD-45	3.160	18,708	564	3,234	17,310	0.033	0.030
MD-45	3.165	19,639	557	3,451	17,826	0.031	0.028
MD-45	3.170	21,060	538	3,540	18,123	0.030	0.026
MD-45	3.175	20,529	659	3,272	17,641	0.037	0.032
MD-45	3.180	20,664	595	3,565	18,866	0.032	0.029
MD-45	3.185	20,478	597	3,437	18,140	0.033	0.029
MD-45	3.190	21,288	570	3,108	17,334	0.033	0.027
MD-45	3.195	19,482	561	3,196	17,689	0.032	0.029
MD-45	3.200	20,279	619	3,259	18,111	0.034	0.031
MD-45	3.205	20,707	578	3,601	17,891	0.032	0.028
MD-45	3.210	21,241	552	3,377	18,086	0.031	0.026
MD-45	3.215	22,142	698	3,378	18,191	0.038	0.032
MD-45	3.220	20,821	610	3,560	18,220	0.033	0.029
MD-45	3.225	21,056	562	3,559	18,360	0.031	0.027
MD-45	3.230	20,059	641	3,243	17,498	0.037	0.032
MD-45	3.235	19,215	648	3,316	17,567	0.037	0.034
MD-45	3.240	18,485	721	3,210	17,221	0.042	0.039
MD-45	3.245	17,978	668	3,145	16,354	0.041	0.037
MD-45	3.250	18,093	592	3,362	17,202	0.034	0.033
MD-45	3.255	17,637	514	3,314	17,144	0.030	0.029
MD-45	3.260	17,853	596	3,584	17,801	0.033	0.033
MD-45	3.265	19,741	567	3,220	17,061	0.033	0.029
MD-45	3.270	17,073	533	3,270	16,540	0.032	0.031
MD-45	3.275	18,413	512	3,451	17,600	0.029	0.028
MD-45	3.280	18,498	566	3,412	17,711	0.032	0.031
MD-45	3.285	18,780	659	3,337	17,069	0.039	0.035

MD-45	3.290	18,566	625	3,392	17,366	0.036	0.034
MD-45	3.295	19,705	648	3,453	17,784	0.036	0.033
MD-45	3.300	18,736	637	3,358	17,438	0.037	0.034
MD-45	3.305	18,789	631	3,334	17,614	0.036	0.034
MD-45	3.310	18,124	579	3,269	16,860	0.034	0.032
MD-45	3.315	18,498	647	3,136	16,630	0.039	0.035
MD-45	3.320	18,164	716	3,213	16,868	0.042	0.039
MD-45	3.325	28,418	680	3,501	17,750	0.038	0.024
MD-45	3.330	19,483	569	3,407	18,045	0.032	0.029
MD-45	3.335	18,149	606	3,151	16,872	0.036	0.033
MD-45	3.340	18,682	737	3,325	17,672	0.042	0.039
MD-45	3.345	19,253	655	3,451	17,971	0.036	0.034
MD-45	3.350	20,038	620	3,534	18,198	0.034	0.031
MD-45	3.355	18,318	550	3,408	17,889	0.031	0.030
MD-45	3.360	17,808	536	3,655	17,914	0.030	0.030
MD-45	3.365	19,005	406	3,493	18,046	0.022	0.021
MD-45	3.370	19,127	634	3,455	17,870	0.035	0.033
MD-45	3.375	22,347	737	3,422	17,413	0.042	0.033
MD-45	3.380	18,716	589	3,249	16,904	0.035	0.031
MD-45	3.385	17,827	579	3,610	18,359	0.032	0.032
MD-45	3.390	20,056	608	3,642	18,306	0.033	0.030
MD-45	3.395	18,607	532	3,641	18,497	0.029	0.029
MD-45	3.400	19,761	599	3,428	17,909	0.033	0.030
MD-45	3.405	20,852	631	3,820	19,003	0.033	0.030
MD-45	3.410	19,214	656	3,554	18,511	0.035	0.034
MD-45	3.415	19,660	608	3,498	18,349	0.033	0.031
MD-45	3.420	20,223	684	3,719	18,789	0.036	0.034
MD-45	3.425	19,756	467	3,549	18,516	0.025	0.024
MD-45	3.430	19,369	592	3,659	18,294	0.032	0.031
MD-45	3.435	19,659	608	3,435	18,000	0.034	0.031
MD-45	3.440	19,794	549	3,475	18,002	0.030	0.028

MD-45	3.445	18,467	695	3,549	17,796	0.039	0.038
MD-45	3.450	19,229	656	3,523	18,282	0.036	0.034
MD-45	3.455	18,081	701	3,604	18,528	0.038	0.039
MD-45	3.460	17,965	500	3,650	18,694	0.027	0.028
MD-45	3.465	19,237	563	3,674	18,261	0.031	0.029
MD-45	3.470	18,343	636	3,301	17,721	0.036	0.035
MD-45	3.475	18,149	606	3,343	17,487	0.035	0.033
MD-45	3.480	20,507	480	3,527	18,155	0.026	0.023
MD-45	3.485	19,342	606	3,620	18,329	0.033	0.031
MD-45	3.490	19,565	658	3,466	18,452	0.036	0.034
MD-45	3.495	18,034	574	3,519	17,921	0.032	0.032
MD-45	3.500	18,913	542	3,514	17,900	0.030	0.029
MD-45	3.505	18,579	558	3,395	17,589	0.032	0.030
MD-45	3.510	24,532	611	3,447	17,323	0.035	0.025
MD-45	3.515	19,717	608	3,257	17,252	0.035	0.031
MD-45	3.520	18,264	706	3,622	18,015	0.039	0.039
MD-45	3.525	18,474	617	3,466	17,916	0.034	0.033
MD-45	3.530	17,940	575	3,383	17,679	0.033	0.032
MD-45	3.535	17,839	577	3,380	17,546	0.033	0.032
MD-45	3.540	24,394	613	3,338	17,074	0.036	0.025
MD-45	3.545	19,094	607	3,581	18,364	0.033	0.032
MD-45	3.550	21,194	550	3,619	18,502	0.030	0.026
MD-45	3.555	18,632	560	3,338	18,326	0.031	0.030
MD-45	3.560	16,915	514	2,768	15,830	0.032	0.030
MD-45	3.565	18,185	594	3,348	17,819	0.033	0.033
MD-45	3.570	18,175	590	3,481	18,109	0.033	0.032
MD-45	3.575	18,963	659	3,577	18,523	0.036	0.035
MD-45	3.580	19,352	658	3,433	18,091	0.036	0.034
MD-45	3.585	17,208	603	3,388	17,288	0.035	0.035
MD-45	3.590	16,726	612	3,044	16,271	0.038	0.037
MD-45	3.595	18,429	597	3,349	17,531	0.034	0.032

MD-45	3.600	18,094	533	3,460	18,094	0.029	0.029
MD-45	3.605	17,439	511	3,597	18,608	0.027	0.029
MD-45	3.610	17,170	595	3,581	18,261	0.033	0.035
MD-45	3.615	18,224	686	3,578	18,578	0.037	0.038
MD-45	3.620	17,781	599	3,506	17,923	0.033	0.034
MD-45	3.625	17,144	585	3,283	17,625	0.033	0.034
MD-45	3.630	18,170	436	3,319	17,464	0.025	0.024
MD-45	3.635	17,539	518	3,419	17,664	0.029	0.030
MD-45	3.640	17,418	545	3,330	17,663	0.031	0.031
MD-45	3.645	17,717	533	3,350	17,566	0.030	0.030
MD-45	3.650	18,422	518	3,414	17,852	0.029	0.028
MD-45	3.655	19,668	607	3,524	17,576	0.035	0.031
MD-45	3.660	17,584	657	3,449	17,265	0.038	0.037
MD-45	3.665	17,301	584	3,256	17,216	0.034	0.034
MD-45	3.670	17,550	607	3,359	17,236	0.035	0.035
MD-45	3.675	17,770	473	3,332	17,529	0.027	0.027
MD-45	3.680	17,897	665	3,376	17,434	0.038	0.037
MD-45	3.685	17,767	602	3,356	17,585	0.034	0.034
MD-45	3.690	17,627	572	3,330	17,626	0.032	0.032
MD-45	3.695	18,177	626	3,281	17,204	0.036	0.034
MD-45	3.700	18,082	564	3,502	17,883	0.032	0.031
MD-45	3.705	17,464	636	3,280	17,733	0.036	0.036
MD-45	3.710	17,136	604	3,469	17,894	0.034	0.035
MD-45	3.715	16,812	517	3,475	18,010	0.029	0.031
MD-45	3.720	16,661	526	3,425	17,987	0.029	0.032
MD-45	3.725	16,067	637	3,331	18,038	0.035	0.040
MD-45	3.730	16,834	524	3,381	18,228	0.029	0.031
MD-45	3.735	17,961	528	3,583	18,603	0.028	0.029
MD-45	3.740	18,155	572	3,341	17,754	0.032	0.032
MD-45	3.745	16,657	573	3,217	17,291	0.033	0.034
MD-45	3.750	17,783	548	3,235	17,585	0.031	0.031

MD-45	3.755	18,915	607	3,489	18,270	0.033	0.032
MD-45	3.760	18,492	664	3,430	18,152	0.037	0.036
MD-45	3.765	16,592	611	3,532	18,336	0.033	0.037
MD-45	3.770	17,713	438	3,606	18,534	0.024	0.025
MD-45	3.775	19,288	566	3,423	18,277	0.031	0.029
MD-45	3.780	21,439	571	3,439	18,211	0.031	0.027
MD-45	3.785	17,605	637	3,710	18,712	0.034	0.036
MD-45	3.790	17,798	648	3,516	18,148	0.036	0.036
MD-45	3.795	17,576	543	3,616	18,442	0.029	0.031
MD-45	3.800	18,142	585	3,590	18,770	0.031	0.032
MD-45	3.805	18,498	654	3,629	18,766	0.035	0.035
MD-45	3.810	17,480	623	3,243	17,327	0.036	0.036
MD-45	3.815	17,017	653	3,513	17,385	0.038	0.038
MD-45	3.820	16,991	697	3,355	17,394	0.040	0.041
MD-45	3.825	17,349	600	3,326	18,042	0.033	0.035
MD-45	3.830	17,139	529	3,092	17,316	0.031	0.031
MD-45	3.835	17,726	549	2,920	16,814	0.033	0.031
MD-45	3.840	18,561	648	3,478	17,994	0.036	0.035
MD-45	3.845	17,250	638	3,388	17,988	0.035	0.037
MD-45	3.850	16,175	702	3,063	17,124	0.041	0.043
MD-45	3.855	17,738	650	3,302	18,020	0.036	0.037
MD-45	3.860	17,433	556	3,407	17,529	0.032	0.032
MD-45	3.865	18,484	538	3,260	18,005	0.030	0.029
MD-45	3.870	17,414	548	3,449	17,957	0.031	0.031
MD-45	3.875	17,309	544	3,407	18,255	0.030	0.031
MD-45	3.880	17,493	503	3,485	18,423	0.027	0.029
MD-45	3.885	17,862	737	3,470	18,305	0.040	0.041
MD-45	3.890	18,920	603	3,417	18,452	0.033	0.032
MD-45	3.895	16,263	347	3,400	17,921	0.019	0.021
MD-45	3.900	16,216	504	3,568	18,478	0.027	0.031
MD-45	3.905	19,264	654	3,549	18,072	0.036	0.034

MD-45	3.910	16,988	542	3,498	17,896	0.030	0.032
MD-45	3.915	15,950	551	3,463	17,845	0.031	0.035
MD-45	3.920	15,528	480	3,378	17,781	0.027	0.031
MD-45	3.925	15,582	621	3,360	18,097	0.034	0.040
MD-45	3.930	15,438	549	3,413	17,680	0.031	0.036
MD-45	3.935	15,995	570	3,496	18,041	0.032	0.036
MD-45	3.940	15,365	661	3,349	17,963	0.037	0.043
MD-45	3.945	15,975	637	3,663	18,269	0.035	0.040
MD-45	3.950	16,386	588	3,507	18,255	0.032	0.036
MD-45	3.955	19,459	646	3,420	17,963	0.036	0.033
MD-45	3.960	17,165	648	3,423	18,089	0.036	0.038
MD-45	3.965	16,877	725	3,499	18,419	0.039	0.043
MD-45	3.970	17,601	643	3,412	17,878	0.036	0.037
MD-45	3.975	17,570	570	3,446	18,309	0.031	0.032
MD-45	3.980	17,223	629	3,373	18,137	0.035	0.037
MD-45	3.985	17,703	530	3,434	18,259	0.029	0.030
MD-45	3.990	18,482	501	3,307	18,054	0.028	0.027
MD-45	3.995	18,948	691	3,409	17,874	0.039	0.036
MD-45	4.000	18,938	638	3,488	18,182	0.035	0.034
MD-45	4.005	19,792	731	3,300	17,825	0.041	0.037
MD-45	4.010	17,977	638	3,266	17,721	0.036	0.035
MD-45	4.015	18,418	555	3,410	17,851	0.031	0.030
MD-45	4.020	17,516	580	3,306	17,654	0.033	0.033
MD-45	4.025	18,600	626	3,336	17,696	0.035	0.034
MD-45	4.030	18,350	640	3,474	18,122	0.035	0.035
MD-45	4.035	18,855	630	3,283	17,797	0.035	0.033
MD-45	4.040	20,407	599	3,282	17,343	0.035	0.029
MD-45	4.045	25,787	782	3,291	17,762	0.044	0.030
MD-45	4.050	18,826	904	3,178	17,294	0.052	0.048
MD-45	4.055	18,159	661	3,256	17,561	0.038	0.036
MD-45	4.060	18,502	639	3,404	17,725	0.036	0.035

MD-45	4.065	18,838	586	3,465	17,978	0.033	0.031
MD-45	4.070	18,301	655	3,199	17,785	0.037	0.036
MD-45	4.075	17,684	656	3,293	18,081	0.036	0.037
MD-45	4.080	18,600	681	3,060	17,894	0.038	0.037
MD-45	4.085	16,905	610	2,043	15,329	0.040	0.036
MD-45	4.090	19,019	546	3,244	17,798	0.031	0.029
MD-45	4.095	22,459	637	3,394	18,060	0.035	0.028
MD-45	4.100	18,253	632	3,439	18,449	0.034	0.035
MD-45	4.105	18,521	617	3,403	18,227	0.034	0.033
MD-45	4.110	18,047	635	3,365	18,195	0.035	0.035
MD-45	4.115	16,967	682	3,301	18,223	0.037	0.040
MD-45	4.120	17,213	642	3,323	18,121	0.035	0.037
MD-45	4.125	22,524	761	3,783	18,621	0.041	0.034
MD-45	4.130	17,232	552	3,559	18,747	0.029	0.032
MD-45	4.135	17,081	616	3,528	18,616	0.033	0.036
MD-45	4.140	18,009	707	3,604	18,439	0.038	0.039
MD-45	4.145	17,359	587	3,518	18,543	0.032	0.034
MD-45	4.150	18,284	646	3,520	18,313	0.035	0.035
MD-45	4.155	18,691	730	3,685	18,976	0.038	0.039
MD-45	4.160	19,532	592	3,666	18,617	0.032	0.030
MD-45	4.165	18,194	536	3,750	19,028	0.028	0.029
MD-45	4.170	17,239	472	3,421	18,048	0.026	0.027
MD-45	4.175	17,321	552	3,607	17,792	0.031	0.032
MD-45	4.180	18,951	499	3,673	18,525	0.027	0.026
MD-45	4.185	18,465	594	3,468	17,915	0.033	0.032
MD-45	4.190	17,715	572	3,637	18,116	0.032	0.032
MD-45	4.195	16,956	573	3,517	18,057	0.032	0.034
MD-45	4.200	17,160	596	3,526	18,544	0.032	0.035
MD-45	4.205	17,444	600	3,453	18,173	0.033	0.034
MD-45	4.210	17,426	513	3,637	18,544	0.028	0.029
MD-45	4.215	17,181	482	3,503	18,772	0.026	0.028

MD-45	4.220	17,452	572	3,554	18,294	0.031	0.033
MD-45	4.225	16,988	681	3,733	18,420	0.037	0.040
MD-45	4.230	17,544	589	3,458	18,185	0.032	0.034
MD-45	4.235	18,966	610	3,532	18,556	0.033	0.032
MD-45	4.240	18,174	530	3,558	18,636	0.028	0.029
MD-45	4.245	17,740	722	3,480	17,931	0.040	0.041
MD-45	4.250	17,141	577	3,514	18,335	0.031	0.034
MD-45	4.255	18,033	597	3,300	18,014	0.033	0.033
MD-45	4.260	18,585	619	3,509	18,331	0.034	0.033
MD-45	4.265	18,595	723	3,628	18,446	0.039	0.039
MD-45	4.270	17,970	566	3,649	18,198	0.031	0.031
MD-45	4.275	18,122	605	3,516	18,273	0.033	0.033
MD-45	4.280	18,931	477	3,617	18,721	0.025	0.025
MD-45	4.285	20,109	677	3,420	18,480	0.037	0.034
MD-45	4.290	20,191	595	3,548	18,218	0.033	0.029
MD-45	4.295	19,724	681	3,609	18,441	0.037	0.035
MD-45	4.300	21,598	769	3,469	17,911	0.043	0.036
MD-45	4.305	21,061	694	3,167	17,632	0.039	0.033
MD-45	4.310	20,246	761	3,619	18,462	0.041	0.038
MD-45	4.315	18,774	668	3,386	17,692	0.038	0.036
MD-45	4.320	20,888	685	3,533	18,468	0.037	0.033
MD-45	4.325	19,315	627	3,648	18,501	0.034	0.032
MD-45	4.330	19,730	699	3,694	18,301	0.038	0.035
MD-45	4.335	19,754	568	3,575	18,348	0.031	0.029
MD-45	4.340	20,462	584	3,617	18,719	0.031	0.029
MD-45	4.345	20,759	553	3,547	18,708	0.030	0.027
MD-45	4.350	21,661	617	3,554	18,259	0.034	0.028
MD-45	4.355	21,164	774	3,453	18,302	0.042	0.037
MD-45	4.360	20,471	686	3,419	18,062	0.038	0.034
MD-45	4.365	29,000	909	3,451	17,922	0.051	0.031
MD-45	4.370	21,272	760	3,412	18,276	0.042	0.036

MD-45	4.375	22,177	950	3,421	18,411	0.052	0.043
MD-45	4.380	21,276	910	3,505	18,606	0.049	0.043
MD-45	4.385	22,485	1,188	3,473	18,107	0.066	0.053
MD-45	4.390	22,475	903	3,474	18,002	0.050	0.040
MD-45	4.395	21,532	623	3,445	18,372	0.034	0.029
MD-45	4.400	22,219	661	3,526	18,720	0.035	0.030
MD-45	4.405	21,570	864	3,463	18,393	0.047	0.040
MD-45	4.410	21,786	639	3,604	18,237	0.035	0.029
MD-45	4.415	21,880	697	3,448	17,967	0.039	0.032
MD-45	4.420	20,621	681	3,299	17,606	0.039	0.033
MD-45	4.425	21,140	655	3,325	17,421	0.038	0.031
MD-45	4.430	20,589	744	3,340	17,887	0.042	0.036
MD-45	4.435	22,547	790	3,549	18,450	0.043	0.035
MD-45	4.440	22,187	789	3,597	18,416	0.043	0.036
MD-45	4.445	23,524	809	3,548	18,506	0.044	0.034
MD-45	4.450	23,899	821	3,548	18,429	0.045	0.034
MD-45	4.455	21,496	970	3,509	18,508	0.052	0.045
MD-45	4.460	23,415	812	3,569	18,601	0.044	0.035
MD-45	4.465	22,725	770	3,502	18,349	0.042	0.034
MD-45	4.470	20,439	766	3,520	18,145	0.042	0.037
MD-45	4.475	19,955	737	3,266	17,544	0.042	0.037
MD-45	4.480	22,902	847	3,681	19,231	0.044	0.037
MD-45	4.500	16,228	572	3,403	17,157	0.033	0.035
MD-45	4.505	19,988	547	3,990	20,002	0.027	0.027
MD-45	4.510	19,722	577	4,074	20,351	0.028	0.029
MD-45	4.515	19,164	495	4,175	20,700	0.024	0.026
MD-45	4.520	20,355	638	4,332	20,854	0.031	0.031
MD-45	4.525	19,789	544	4,105	19,942	0.027	0.027
MD-45	4.530	22,243	835	4,017	19,678	0.042	0.038
MD-45	4.535	23,535	912	3,752	19,148	0.048	0.039
MD-45	4.540	20,903	909	3,971	20,153	0.045	0.043

MD-45	4.545	21,763	671	3,822	19,414	0.035	0.031
MD-45	4.550	21,688	615	3,993	19,841	0.031	0.028
MD-45	4.555	22,543	650	3,683	18,481	0.035	0.029
MD-45	4.560	19,593	602	3,606	18,341	0.033	0.031
MD-45	4.565	19,838	727	3,572	18,563	0.039	0.037
MD-45	4.570	19,461	770	3,682	19,110	0.040	0.040
MD-45	4.575	19,002	779	3,639	19,045	0.041	0.041
MD-45	4.580	21,686	610	3,864	19,824	0.031	0.028
MD-45	4.585	18,689	623	4,012	19,674	0.032	0.033
MD-45	4.590	19,844	647	4,088	20,353	0.032	0.033
MD-45	4.595	20,797	732	4,026	19,690	0.037	0.035
MD-45	4.600	19,832	925	3,942	19,478	0.047	0.047
MD-45	4.605	19,833	784	4,005	19,899	0.039	0.040
MD-45	4.610	27,260	851	3,904	19,657	0.043	0.031
MD-45	4.615	19,007	819	3,943	20,081	0.041	0.043
MD-45	4.620	20,163	1,278	4,061	20,560	0.062	0.063
MD-45	4.625	20,402	1,062	3,819	19,467	0.055	0.052
MD-45	4.630	20,133	658	3,904	19,540	0.034	0.033
MD-45	4.635	21,078	781	3,984	19,383	0.040	0.037
MD-45	4.640	19,779	991	3,661	18,343	0.054	0.050
MD-45	4.645	23,776	1,497	3,745	18,811	0.080	0.063
MD-45	4.650	23,747	2,387	3,731	19,412	0.123	0.101
MD-45	4.655	24,936	1,952	3,897	19,569	0.100	0.078
MD-45	4.660	28,314	3,036	4,036	20,185	0.150	0.107
MD-45	4.665	23,344	2,544	4,063	20,444	0.124	0.109
MD-45	4.670	18,463	1,720	3,388	18,707	0.092	0.093
MD-45	4.675	21,042	944	3,481	18,712	0.050	0.045
MD-45	4.680	30,624	1,414	3,844	19,548	0.072	0.046
MD-45	4.685	26,366	1,696	3,638	18,486	0.092	0.064
MD-45	4.690	19,830	874	3,353	17,863	0.049	0.044
MD-45	4.695	20,642	1,056	3,277	17,877	0.059	0.051

MD-45	4.700	21,343	1,375	3,500	17,855	0.077	0.064
MD-45	4.705	20,198	1,221	3,532	18,547	0.066	0.060
MD-45	4.710	19,449	719	3,442	17,739	0.041	0.037
MD-45	4.715	16,987	723	3,406	17,807	0.041	0.043
MD-45	4.720	21,340	887	3,580	17,695	0.050	0.042
MD-45	4.725	18,495	895	3,601	18,859	0.047	0.048
MD-45	4.730	23,815	944	3,803	18,856	0.050	0.040
MD-45	4.735	28,052	1,220	3,911	19,717	0.062	0.043
MD-45	4.740	29,775	1,288	3,902	18,892	0.068	0.043
MD-45	4.745	20,874	1,253	3,647	18,993	0.066	0.060
MD-45	4.750	25,641	1,655	3,759	19,772	0.084	0.065
MD-45	4.755	28,497	1,156	3,538	18,438	0.063	0.041
MD-45	4.760	23,752	1,900	3,563	18,583	0.102	0.080
MD-45	4.765	26,991	1,672	3,513	18,655	0.090	0.062
MD-45	4.770	19,638	844	3,521	18,503	0.046	0.043
MD-45	4.775	18,849	1,295	3,866	19,224	0.067	0.069
MD-45	4.780	22,977	1,316	3,787	19,326	0.068	0.057
MD-45	4.785	24,813	1,566	3,854	19,151	0.082	0.063
MD-45	4.790	20,335	1,157	3,783	19,181	0.060	0.057
MD-45	4.795	25,000	1,234	3,626	19,049	0.065	0.049
MD-45	4.800	22,273	1,751	3,477	17,825	0.098	0.079
MD-45	4.805	23,451	1,269	3,635	17,966	0.071	0.054
MD-45	4.810	27,171	1,703	3,615	18,175	0.094	0.063
MD-45	4.815	24,091	1,572	3,479	18,226	0.086	0.065
MD-45	4.820	25,084	1,617	3,807	19,163	0.084	0.064
MD-45	4.825	22,025	1,386	3,696	19,013	0.073	0.063
MD-45	4.830	23,256	1,367	3,879	19,571	0.070	0.059
MD-45	4.835	27,818	1,956	3,583	18,693	0.105	0.070
MD-45	4.840	23,780	937	3,354	17,572	0.053	0.039
MD-45	4.845	24,482	1,369	3,522	18,510	0.074	0.056
MD-45	4.850	24,758	1,460	3,628	18,248	0.080	0.059

MD-45	4.855	23,976	1,649	3,432	18,171	0.091	0.069
MD-45	4.860	21,529	1,578	3,210	16,856	0.094	0.073
MD-45	4.865	19,695	1,056	3,477	18,071	0.058	0.054
MD-45	4.870	20,389	801	3,357	18,044	0.044	0.039
MD-45	4.875	18,331	788	3,586	18,438	0.043	0.043
MD-45	4.880	20,656	990	3,620	18,511	0.053	0.048
MD-45	4.885	30,205	2,329	3,592	18,260	0.128	0.077
MD-45	4.890	27,233	2,289	3,652	18,600	0.123	0.084
MD-45	4.895	26,054	1,708	3,699	18,518	0.092	0.066
MD-45	4.900	26,859	1,905	3,754	18,628	0.102	0.071
MD-45	4.905	23,178	2,295	3,869	19,279	0.119	0.099
MD-45	4.910	23,755	1,477	3,872	19,071	0.077	0.062
MD-45	4.915	25,292	1,611	3,651	18,712	0.086	0.064
MD-45	4.920	26,798	2,164	3,530	18,251	0.119	0.081
MD-45	4.925	17,035	1,878	3,036	16,232	0.116	0.110
MD-45	4.930	26,718	1,756	3,193	17,452	0.101	0.066
MD-45	4.935	22,767	1,683	3,310	17,579	0.096	0.074
MD-45	4.940	21,937	1,708	3,442	17,962	0.095	0.078
MD-45	4.945	27,910	1,511	3,200	17,407	0.087	0.054
MD-45	4.950	31,490	2,843	3,303	17,751	0.160	0.090
MD-45	4.955	26,570	1,982	3,377	18,100	0.110	0.075
MD-45	4.960	25,221	1,780	3,693	18,349	0.097	0.071
MD-45	4.965	23,464	1,434	3,694	18,662	0.077	0.061
MD-45	4.970	23,220	1,457	3,628	19,085	0.076	0.063
MD-45	4.975	22,897	1,116	3,553	18,534	0.060	0.049
MD-45	4.980	22,119	1,119	3,421	17,924	0.062	0.051
MD-45	4.985	19,580	992	3,268	17,319	0.057	0.051
MD-45	4.990	18,960	1,054	3,496	18,360	0.057	0.056
MD-45	4.995	20,320	1,618	3,186	17,325	0.093	0.080
MD-45	5.000	22,420	1,722	2,865	16,785	0.103	0.077
MD-45	5.005	23,818	1,879	2,900	16,713	0.112	0.079

MD-45	5.010	24,720	1,361	3,200	17,705	0.077	0.055
MD-45	5.015	29,619	1,855	3,041	17,360	0.107	0.063
MD-45	5.020	27,503	1,533	3,284	17,166	0.089	0.056
MD-45	5.025	27,714	1,271	3,612	17,992	0.071	0.046
MD-45	5.030	30,304	1,669	3,691	18,722	0.089	0.055
MD-45	5.035	30,416	1,719	3,468	18,408	0.093	0.057
MD-45	5.040	25,760	1,421	3,800	19,346	0.073	0.055
MD-45	5.045	27,503	1,632	3,481	18,328	0.089	0.059
MD-45	5.050	28,359	2,188	3,760	19,138	0.114	0.077
MD-45	5.055	37,332	1,696	3,694	17,956	0.094	0.045
MD-45	5.060	28,585	1,501	3,503	18,111	0.083	0.053
MD-45	5.065	24,675	2,066	3,336	17,524	0.118	0.084
MD-45	5.070	31,566	2,391	3,392	17,687	0.135	0.076
MD-45	5.075	32,107	1,618	3,358	17,249	0.094	0.050
MD-45	5.080	29,369	1,662	3,267	17,692	0.094	0.057
MD-45	5.085	30,349	1,660	3,387	17,765	0.093	0.055
MD-45	5.090	39,096	1,931	3,210	16,757	0.115	0.049
MD-45	5.095	39,466	2,690	3,376	17,383	0.155	0.068
MD-45	5.100	34,085	1,793	3,611	17,895	0.100	0.053
MD-45	5.105	32,432	2,167	3,530	18,181	0.119	0.067
MD-45	5.110	26,338	1,650	3,360	17,201	0.096	0.063
MD-45	5.115	29,346	1,847	3,516	17,330	0.107	0.063
MD-45	5.120	29,964	1,163	3,506	17,543	0.066	0.039
MD-45	5.125	26,312	1,078	3,512	17,308	0.062	0.041
MD-45	5.130	35,861	1,409	4,045	18,657	0.076	0.039
MD-45	5.135	29,624	1,296	3,880	18,386	0.070	0.044
MD-45	5.140	27,542	1,341	3,696	17,688	0.076	0.049
MD-45	5.145	26,186	1,009	3,519	17,856	0.057	0.039
MD-45	5.150	27,960	1,209	3,784	18,490	0.065	0.043
MD-45	5.155	28,721	1,236	3,580	17,584	0.070	0.043
MD-45	5.160	27,660	1,154	3,774	17,674	0.065	0.042

MD-45	5.165	26,395	898	3,679	18,403	0.049	0.034
MD-45	5.170	25,228	995	3,304	16,763	0.059	0.039
MD-45	5.175	25,478	909	3,470	17,472	0.052	0.036
MD-45	5.180	20,778	1,006	3,608	18,003	0.056	0.048
MD-45	5.185	24,572	1,870	3,536	18,162	0.103	0.076
MD-45	5.190	27,972	1,292	3,626	18,094	0.071	0.046
MD-45	5.195	24,286	1,616	3,235	17,079	0.095	0.067
MD-45	5.200	27,900	1,972	3,340	17,352	0.114	0.071
MD-45	5.205	29,493	1,555	3,380	17,199	0.090	0.053
MD-45	5.210	26,729	2,373	3,384	17,285	0.137	0.089
MD-45	5.215	33,119	1,804	3,368	17,179	0.105	0.054
MD-45	5.220	27,069	1,753	3,460	17,268	0.102	0.065
MD-45	5.225	33,776	1,935	3,471	17,164	0.113	0.057
MD-45	5.230	29,455	1,859	3,485	17,428	0.107	0.063
MD-45	5.235	20,416	911	3,646	17,777	0.051	0.045
MD-45	5.240	25,963	1,095	3,548	17,616	0.062	0.042
MD-45	5.245	32,767	1,199	3,475	17,335	0.069	0.037
MD-45	5.250	24,743	968	3,572	18,184	0.053	0.039
MD-45	5.255	42,523	1,535	3,455	17,221	0.089	0.036
MD-45	5.260	35,150	1,982	3,619	17,886	0.111	0.056
MD-45	5.265	27,887	1,288	3,402	17,305	0.074	0.046
MD-45	5.270	28,744	1,688	3,024	15,531	0.109	0.059
MD-45	5.275	31,699	1,882	3,413	17,067	0.110	0.059
MD-45	5.280	42,881	1,297	3,226	17,335	0.075	0.030
MD-45	5.285	46,797	1,081	3,155	17,091	0.063	0.023
MD-45	5.290	43,264	1,184	3,193	16,897	0.070	0.027
MD-45	5.295	36,376	875	3,418	16,968	0.052	0.024
MD-45	5.300	32,329	739	3,052	16,299	0.045	0.023
MD-45	5.305	60,028	1,363	3,364	17,100	0.080	0.023
MD-45	5.310	61,366	1,957	3,244	17,189	0.114	0.032
MD-45	5.315	52,210	2,004	3,345	17,647	0.114	0.038

MD-45	5.320	33,963	2,185	3,318	16,848	0.130	0.064
MD-45	5.325	30,862	1,192	3,394	17,490	0.068	0.039
MD-45	5.330	23,695	875	3,242	17,103	0.051	0.037
MD-45	5.335	30,286	1,075	3,279	16,966	0.063	0.035
MD-45	5.340	29,816	1,054	3,541	17,181	0.061	0.035
MD-45	5.345	23,855	964	3,355	17,076	0.056	0.040
MD-45	5.350	25,361	1,130	3,387	16,696	0.068	0.045
MD-45	5.355	26,710	1,231	3,337	17,385	0.071	0.046
MD-45	5.360	21,377	1,127	3,259	16,938	0.067	0.053
MD-45	5.365	23,821	1,232	3,291	17,093	0.072	0.052
MD-45	5.370	26,416	1,182	3,108	17,031	0.069	0.045
MD-45	5.375	24,748	1,018	3,309	17,106	0.060	0.041
MD-45	5.380	22,637	826	3,344	17,132	0.048	0.036
MD-45	5.385	24,642	1,154	3,329	17,423	0.066	0.047
MD-45	5.390	23,588	777	3,207	17,263	0.045	0.033
MD-45	5.395	24,125	928	3,138	16,821	0.055	0.038
MD-45	5.400	27,457	1,412	3,248	16,910	0.084	0.051
MD-45	5.405	25,970	1,155	3,383	17,239	0.067	0.044
MD-45	5.410	22,177	1,284	3,353	17,284	0.074	0.058
MD-45	5.415	23,864	1,383	3,624	17,720	0.078	0.058
MD-45	5.420	31,437	1,921	3,597	17,770	0.108	0.061
MD-45	5.425	26,764	1,011	3,335	16,697	0.061	0.038
MD-45	5.430	24,200	899	3,217	16,864	0.053	0.037
MD-45	5.435	23,648	932	3,348	17,340	0.054	0.039
MD-45	5.440	23,365	949	3,555	17,478	0.054	0.041
MD-45	5.445	25,862	955	3,411	17,719	0.054	0.037
MD-45	5.450	23,148	743	3,314	17,268	0.043	0.032
MD-45	5.455	22,287	875	3,180	17,132	0.051	0.039
MD-45	5.460	22,833	950	3,170	16,886	0.056	0.042
MD-45	5.465	22,481	745	3,176	16,927	0.044	0.033
MD-45	5.470	42,418	1,149	3,142	16,332	0.070	0.027

MD-45	5.475	24,873	1,021	3,259	17,134	0.060	0.041
MD-45	5.480	25,248	1,208	3,327	17,161	0.070	0.048
MD-45	5.485	24,803	980	3,173	16,757	0.058	0.040
MD-45	5.490	22,873	755	3,236	16,703	0.045	0.033
MD-45	5.495	21,016	724	3,081	16,989	0.043	0.034
MD-45	5.500	23,314	1,090	3,415	17,536	0.062	0.047
MD-45	5.505	24,063	1,299	3,480	18,024	0.072	0.054
MD-45	5.510	22,395	1,002	3,353	17,654	0.057	0.045
MD-45	5.515	29,507	1,046	3,502	17,981	0.058	0.035
MD-45	5.520	25,165	881	3,230	17,497	0.050	0.035
MD-45	5.525	23,746	752	3,482	17,371	0.043	0.032
MD-45	5.530	22,528	966	3,391	17,342	0.056	0.043
MD-45	5.535	24,564	1,401	3,207	16,577	0.085	0.057
MD-45	5.540	25,179	1,209	3,321	16,956	0.071	0.048
MD-45	5.545	24,844	1,022	3,233	16,502	0.062	0.041
MD-45	5.550	21,901	779	3,082	16,123	0.048	0.036
MD-45	5.555	21,199	693	3,224	16,923	0.041	0.033
MD-45	5.560	21,375	852	3,386	18,095	0.047	0.040
MD-45	5.565	22,586	1,613	3,438	17,773	0.091	0.071
MD-45	5.570	39,992	1,835	3,302	17,453	0.105	0.046
MD-45	5.575	47,551	2,399	3,249	16,719	0.143	0.050
MD-45	5.580	40,575	2,130	3,241	16,826	0.127	0.052
MD-45	5.585	38,928	1,821	3,403	16,800	0.108	0.047
MD-45	5.590	30,665	1,305	3,237	16,711	0.078	0.043
MD-45	5.595	24,625	1,020	3,277	16,891	0.060	0.041
MD-45	5.600	22,104	750	3,311	17,087	0.044	0.034
MD-45	5.605	23,336	991	3,245	16,848	0.059	0.042
MD-45	5.610	24,769	1,010	3,113	16,854	0.060	0.041
MD-45	5.615	25,482	1,265	3,360	17,095	0.074	0.050
MD-45	5.620	29,053	1,378	3,178	17,169	0.080	0.047
MD-45	5.625	26,880	1,448	3,249	16,648	0.087	0.054

MD-45	5.630	25,363	1,339	3,352	17,420	0.077	0.053
MD-45	5.635	38,516	1,280	3,453	17,088	0.075	0.033
MD-45	5.640	26,349	1,062	3,411	17,448	0.061	0.040
MD-45	5.645	31,262	1,492	3,248	16,924	0.088	0.048
MD-45	5.650	28,109	1,808	3,263	16,622	0.109	0.064
MD-45	5.655	38,899	2,484	3,332	16,701	0.149	0.064
MD-45	5.660	36,800	2,524	3,297	16,927	0.149	0.069
MD-45	5.665	31,749	2,058	3,469	17,324	0.119	0.065
MD-45	5.670	33,259	1,619	3,563	17,645	0.092	0.049
MD-45	5.675	28,784	1,999	3,497	18,150	0.110	0.069
MD-45	5.680	30,626	1,988	3,412	17,284	0.115	0.065
MD-45	5.685	40,438	2,278	3,519	17,320	0.132	0.056
MD-45	5.690	34,908	2,132	3,283	17,012	0.125	0.061
MD-45	5.695	33,147	1,687	3,479	17,831	0.095	0.051
MD-45	5.700	31,676	1,712	3,659	17,294	0.099	0.054
MD-45	5.705	30,971	952	3,399	16,766	0.057	0.031
MD-45	5.710	29,599	1,033	3,319	16,573	0.062	0.035
MD-45	5.715	22,314	1,132	3,262	16,392	0.069	0.051
MD-45	5.720	19,384	1,398	3,321	16,055	0.087	0.072
MD-45	5.725	17,447	773	3,505	16,769	0.046	0.044
MD-45	5.730	27,152	1,119	3,458	17,497	0.064	0.041
MD-45	5.735	44,003	3,334	3,470	17,050	0.196	0.076
MD-45	5.740	50,494	3,062	3,293	16,505	0.186	0.061
MD-45	5.745	29,678	2,284	3,255	16,328	0.140	0.077
MD-45	5.750	23,804	1,473	3,150	16,129	0.091	0.062
MD-45	5.755	23,150	1,716	3,310	16,890	0.102	0.074
MD-45	5.760	31,010	1,499	3,185	16,935	0.089	0.048
MD-45	5.765	24,324	1,399	2,949	16,098	0.087	0.058
MD-45	5.770	23,378	1,767	2,953	16,279	0.109	0.076
MD-45	5.775	24,473	1,629	3,407	16,837	0.097	0.067
MD-45	5.780	21,036	1,201	3,360	16,600	0.072	0.057

MD-45	5.785	21,688	1,094	3,084	16,399	0.067	0.050
MD-45	5.790	21,198	766	3,007	16,459	0.047	0.036
MD-45	5.795	19,971	905	3,206	16,886	0.054	0.045
MD-45	5.800	22,359	932	3,582	17,685	0.053	0.042
MD-45	5.805	24,738	1,227	3,548	17,716	0.069	0.050
MD-45	5.810	41,655	1,510	3,179	17,276	0.087	0.036
MD-45	5.815	35,149	1,615	3,096	16,952	0.095	0.046
MD-45	5.820	25,735	956	3,023	16,567	0.058	0.037
MD-45	5.825	22,325	1,058	3,261	16,933	0.062	0.047
MD-45	5.830	23,865	1,220	3,287	16,864	0.072	0.051
MD-45	5.835	24,511	957	3,184	16,961	0.056	0.039
MD-45	5.840	24,843	1,036	3,284	17,118	0.061	0.042
MD-45	5.845	26,462	1,336	3,359	17,384	0.077	0.050
MD-45	5.850	27,704	1,390	3,204	16,869	0.082	0.050
MD-45	5.855	28,849	1,545	3,130	16,333	0.095	0.054
MD-45	5.860	30,665	1,207	2,976	15,620	0.077	0.039
MD-45	5.865	26,302	1,610	3,109	16,425	0.098	0.061
MD-45	5.870	23,587	1,777	3,171	16,613	0.107	0.075
MD-45	5.875	20,827	2,892	3,389	17,112	0.169	0.139
MD-45	5.880	19,540	1,340	3,351	16,681	0.080	0.069
MD-45	5.885	19,782	1,004	3,437	17,525	0.057	0.051
MD-45	5.890	22,610	1,191	3,463	17,889	0.067	0.053
MD-45	5.895	33,145	1,644	3,722	17,948	0.092	0.050
MD-45	5.900	33,236	1,210	3,484	17,488	0.069	0.036
MD-45	5.905	31,096	1,559	3,585	17,803	0.088	0.050
MD-45	5.910	26,009	1,006	3,484	17,646	0.057	0.039
MD-45	5.915	24,517	960	3,620	18,059	0.053	0.039
MD-45	5.920	25,939	951	3,844	18,625	0.051	0.037
MD-45	5.925	26,686	867	3,361	17,261	0.050	0.032
MD-45	5.930	31,017	1,698	3,681	18,569	0.091	0.055
MD-45	5.935	38,563	2,629	3,494	17,035	0.154	0.068

MD-45	5.940	35,059	1,524	3,538	17,586	0.087	0.043
MD-45	5.945	33,904	1,113	3,624	17,170	0.065	0.033
MD-45	5.950	28,552	1,135	3,704	18,214	0.062	0.040
MD-45	5.955	30,286	1,383	3,683	18,059	0.077	0.046
MD-45	5.960	38,249	1,290	3,247	16,733	0.077	0.034
MD-45	5.965	26,587	1,512	3,360	16,601	0.091	0.057
MD-45	5.970	33,268	1,679	3,453	17,204	0.098	0.050
MD-45	5.975	42,143	1,702	3,266	16,852	0.101	0.040
MD-45	5.980	30,381	1,095	3,320	17,292	0.063	0.036
MD-45	5.985	35,712	1,695	3,448	17,216	0.098	0.047
MD-45	6.005	46,075	3,567	3,019	15,232	0.234	0.077
MD-45	6.010	55,182	3,540	3,042	15,663	0.226	0.064
MD-45	6.015	55,920	3,805	2,791	15,111	0.252	0.068
MD-45	6.020	39,797	2,966	3,241	16,516	0.180	0.075
MD-45	6.025	41,467	3,010	2,640	14,336	0.210	0.073
MD-45	6.030	30,719	2,561	2,574	14,472	0.177	0.083
MD-45	6.035	34,688	2,296	2,727	14,877	0.154	0.066
MD-45	6.040	35,957	2,890	2,794	14,913	0.194	0.080
MD-45	6.045	31,589	2,098	2,645	15,145	0.139	0.066
MD-45	6.050	28,518	1,545	2,626	15,626	0.099	0.054
MD-45	6.055	27,114	1,255	2,839	15,888	0.079	0.046
MD-45	6.060	36,173	2,135	2,789	15,783	0.135	0.059
MD-45	6.065	25,320	1,897	2,969	16,174	0.117	0.075
MD-45	6.070	24,696	1,717	2,744	16,040	0.107	0.070
MD-45	6.075	26,654	1,159	2,517	15,134	0.077	0.043
MD-45	6.080	24,470	1,571	2,906	16,264	0.097	0.064
MD-45	6.085	25,027	1,696	2,757	15,810	0.107	0.068
MD-45	6.090	24,394	1,460	2,382	14,284	0.102	0.060
MD-45	6.095	23,274	1,274	2,679	15,839	0.080	0.055
MD-45	6.100	26,747	1,124	2,687	15,367	0.073	0.042
MD-45	6.105	31,491	1,360	2,621	15,264	0.089	0.043

MD-45	6.110	28,997	1,452	2,911	16,751	0.087	0.050
MD-45	6.115	24,184	963	3,525	18,421	0.052	0.040
MD-45	6.120	23,835	759	3,509	18,505	0.041	0.032
MD-45	6.125	27,405	967	3,638	18,392	0.053	0.035
MD-45	6.130	29,039	966	3,291	17,529	0.055	0.033
MD-45	6.135	23,692	1,309	2,841	16,383	0.080	0.055
MD-45	6.140	27,510	1,542	2,788	15,935	0.097	0.056
MD-45	6.145	51,922	2,415	2,856	15,727	0.154	0.047
MD-45	6.150	43,354	2,319	2,922	15,527	0.149	0.053
MD-45	6.155	32,000	2,538	2,975	15,938	0.159	0.079
MD-45	6.160	25,937	2,608	2,315	13,853	0.188	0.101
MD-45	6.165	26,374	2,481	2,390	14,493	0.171	0.094
MD-45	6.170	24,346	2,234	2,507	14,466	0.154	0.092
MD-45	6.175	24,404	1,957	2,251	13,749	0.142	0.080
MD-45	6.180	19,230	1,668	2,308	14,247	0.117	0.087
MD-45	6.185	20,680	1,229	2,678	15,720	0.078	0.059
MD-45	6.190	37,804	2,466	2,733	15,870	0.155	0.065
MD-45	6.195	26,583	2,122	2,855	16,094	0.132	0.080
MD-45	6.200	22,532	1,743	2,916	16,392	0.106	0.077
MD-45	6.205	29,014	1,875	2,762	15,920	0.118	0.065
MD-45	6.210	32,421	2,468	2,622	15,199	0.162	0.076
MD-45	6.215	59,707	3,258	2,660	13,757	0.237	0.055
MD-45	6.220	53,656	5,157	2,885	14,667	0.352	0.096
MD-45	6.255	47,413	3,194	2,549	14,841	0.215	0.067
MD-45	6.260	52,362	3,812	2,718	14,888	0.256	0.073
MD-45	6.265	46,268	3,244	2,625	14,862	0.218	0.070
MD-45	6.270	44,248	3,800	2,918	16,285	0.233	0.086
MD-45	6.275	40,987	3,689	3,022	16,630	0.222	0.090
MD-45	6.280	40,417	3,420	3,025	16,427	0.208	0.085
MD-45	6.285	40,715	2,556	2,943	16,174	0.158	0.063
MD-45	6.290	37,384	3,077	3,204	17,224	0.179	0.082

MD-45	6.295	40,720	2,297	3,150	16,730	0.137	0.056
MD-45	6.300	40,651	2,217	3,114	16,768	0.132	0.055
MD-45	6.305	47,099	4,136	2,185	14,106	0.293	0.088
MD-45	6.310	49,315	3,708	2,625	14,737	0.252	0.075
MD-45	6.315	35,405	2,014	2,860	15,828	0.127	0.057
MD-45	6.320	34,053	2,435	2,458	14,698	0.166	0.072
MD-45	6.325	34,463	2,129	2,814	15,196	0.140	0.062
MD-45	6.330	43,584	3,956	2,342	13,618	0.290	0.091
MD-45	6.335	52,236	3,632	2,794	15,686	0.232	0.070
MD-45	6.340	23,885	2,753	2,111	11,486	0.240	0.115
MD-45	6.345	21,617	2,867	1,731	9,429	0.304	0.133
MD-45	6.350	30,632	2,513	1,697	9,955	0.252	0.082
MD-45	6.355	39,306	3,054	2,778	15,652	0.195	0.078
MD-45	6.360	29,044	2,879	1,565	11,874	0.242	0.099
MD-45	6.365	28,864	2,309	2,151	13,645	0.169	0.080
MD-45	6.370	30,583	2,363	2,171	14,261	0.166	0.077
MD-45	6.375	31,925	3,166	2,539	15,095	0.210	0.099
MD-45	6.380	38,174	3,666	2,356	14,233	0.258	0.096
MD-45	6.385	36,940	3,959	2,054	13,486	0.294	0.107
MD-45	6.390	67,539	4,875	1,975	12,775	0.382	0.072
MD-45	6.395	59,852	3,719	1,688	11,525	0.323	0.062
MD-45	6.400	69,315	3,832	2,158	13,628	0.281	0.055
MD-45	6.405	52,091	4,345	2,102	13,585	0.320	0.083
MD-45	6.410	86,439	3,486	2,464	13,644	0.255	0.040
MD-45	6.415	57,301	4,851	2,530	15,132	0.321	0.085
MD-45	6.420	69,334	4,699	1,418	10,103	0.465	0.068
MD-45	6.425	67,921	3,158	685	6,168	0.512	0.046
MD-45	6.495	16,803	2,734	1,138	7,241	0.378	0.163
MD-45	6.500	20,800	2,201	1,764	10,088	0.218	0.106
MD-45	6.510	18,220	2,190	1,295	7,931	0.276	0.120
MD-45	6.515	29,130	1,985	1,791	11,933	0.166	0.068

MD-45	6.520	32,841	1,764	2,620	14,646	0.120	0.054
MD-45	6.525	29,349	2,016	2,829	15,699	0.128	0.069
MD-45	6.530	35,951	2,719	2,571	15,085	0.180	0.076
MD-45	6.535	34,818	2,735	2,250	13,608	0.201	0.079
MD-45	6.540	28,398	2,977	2,157	12,877	0.231	0.105
MD-45	6.545	61,253	4,429	2,525	13,056	0.339	0.072
MD-45	6.550	93,837	4,165	1,589	8,314	0.501	0.044
MD-45	6.555	66,416	3,504	1,683	9,779	0.358	0.053
MD-45	6.560	38,761	3,617	2,145	13,386	0.270	0.093
MD-45	6.565	46,977	3,456	2,425	14,237	0.243	0.074
MD-45	6.570	51,797	3,752	2,169	13,676	0.274	0.072
MD-45	6.575	43,032	4,103	2,127	13,252	0.310	0.095
MD-45	6.580	52,822	3,931	2,284	13,358	0.294	0.074
MD-45	6.585	32,734	2,039	2,368	13,743	0.148	0.062
MD-45	6.590	31,744	1,563	2,954	16,413	0.095	0.049
MD-45	6.595	40,124	2,312	2,447	14,548	0.159	0.058
MD-45	6.600	57,855	2,512	1,800	8,177	0.307	0.043
MD-45	6.605	16,055	1,695	1,540	8,577	0.198	0.106
MD-45	6.610	37,467	2,374	2,253	14,103	0.168	0.063
MD-45	6.615	34,951	2,558	2,002	13,170	0.194	0.073
MD-45	6.620	25,734	3,349	1,783	10,516	0.318	0.130
MD-45	6.625	32,643	4,245	1,510	10,943	0.388	0.130
MD-45	6.630	28,680	3,829	1,349	10,586	0.362	0.134
MD-45	6.635	34,469	3,362	2,016	13,286	0.253	0.098
MD-45	6.640	40,546	4,167	2,055	13,478	0.309	0.103
MD-45	6.645	33,721	3,227	1,953	13,573	0.238	0.096
MD-45	6.650	34,882	3,060	2,086	13,632	0.224	0.088
MD-45	6.655	41,191	2,895	2,209	13,561	0.213	0.070
MD-45	6.660	35,912	2,858	1,692	12,316	0.232	0.080
MD-45	6.665	36,588	3,487	1,882	12,642	0.276	0.095
MD-45	6.670	44,796	4,830	2,446	14,336	0.337	0.108

MD-45	6.675	48,311	3,791	2,189	14,206	0.267	0.078
MD-45	6.680	44,554	4,751	2,066	13,458	0.353	0.107
MD-45	6.685	38,881	3,766	1,520	11,878	0.317	0.097
MD-45	6.690	30,932	3,553	1,258	9,699	0.366	0.115
MD-45	6.695	34,918	2,851	1,694	12,122	0.235	0.082
MD-45	6.700	53,352	3,888	2,261	13,547	0.287	0.073
MD-45	6.705	55,303	4,314	2,056	13,080	0.330	0.078
MD-45	6.710	44,305	3,016	2,395	14,428	0.209	0.068
MD-45	6.715	40,193	2,558	2,442	15,111	0.169	0.064
MD-45	6.720	32,259	2,356	1,522	11,744	0.201	0.073
MD-45	6.725	34,881	2,742	2,061	12,506	0.219	0.079
MD-45	6.730	44,772	2,944	2,381	14,319	0.206	0.066
MD-45	6.735	38,418	2,700	2,542	15,040	0.180	0.070
MD-45	6.740	37,040	1,739	2,649	15,651	0.111	0.047
MD-45	6.745	44,874	2,062	2,247	15,118	0.136	0.046
MD-45	6.750	55,989	2,379	2,306	14,523	0.164	0.042
MD-45	6.755	46,336	3,493	2,756	16,031	0.218	0.075
MD-45	6.760	52,857	3,706	2,568	15,628	0.237	0.070
MD-45	6.765	49,726	3,561	2,315	14,958	0.238	0.072
MD-45	6.770	50,444	3,360	2,764	16,057	0.209	0.067
MD-45	6.775	57,961	3,984	2,628	15,775	0.253	0.069
MD-45	6.780	51,067	3,355	2,551	15,568	0.216	0.066
MD-45	6.785	46,769	3,533	2,315	14,164	0.249	0.076
MD-45	6.840	47,163	2,188	2,130	12,374	0.177	0.046
MD-45	6.845	48,532	2,683	2,138	12,538	0.214	0.055
MD-45	6.850	43,503	3,143	1,922	11,191	0.281	0.072
MD-45	6.855	42,891	3,587	1,791	11,310	0.317	0.084
MD-45	6.860	51,188	3,799	2,095	13,886	0.274	0.074
MD-45	6.865	45,986	3,627	2,210	13,733	0.264	0.079
MD-45	6.870	41,881	3,589	1,748	11,760	0.305	0.086
MD-45	6.875	45,778	3,238	1,764	12,167	0.266	0.071

MD-45	6.880	53,831	3,952	1,680	12,582	0.314	0.073
MD-45	6.885	50,910	3,733	1,670	12,135	0.308	0.073
MD-45	6.890	40,075	2,955	1,719	11,893	0.248	0.074
MD-45	6.895	35,983	3,052	852	6,859	0.445	0.085
MD-45	6.900	74,868	4,894	2,010	12,865	0.380	0.065
MD-45	6.905	56,513	3,832	1,548	11,558	0.332	0.068
MD-45	6.910	67,509	3,979	1,782	12,167	0.327	0.059
MD-45	6.915	71,242	5,246	1,419	11,949	0.439	0.074
MD-45	6.920	50,004	4,275	825	9,214	0.464	0.085
MD-45	6.925	57,017	3,894	1,473	11,484	0.339	0.068
MD-45	6.930	72,090	4,049	1,782	12,521	0.323	0.056
MD-45	6.935	60,494	3,535	1,074	9,125	0.387	0.058
MD-45	6.940	70,959	4,410	1,581	12,170	0.362	0.062
MD-45	6.945	51,843	3,736	1,253	7,447	0.502	0.072

Table B.4. Core data from MD-45 including core name, sample depth, Lab colors: L*, a*, and b*.

Core	Depth (mbsf)	L* (D65)	a* (D65)	b* (D65)
MD-45	0.02	60.56	-1.04	-2.30
MD-45	0.05	57.10	-1.15	-1.72
MD-45	0.10	57.15	-1.52	-2.54
MD-45	0.15	56.18	-1.19	-1.55
MD-45	0.20	56.92	-1.46	-2.09
MD-45	0.25	56.17	-1.19	-1.68
MD-45	0.30	56.96	-1.35	-1.78
MD-45	0.35	55.82	-1.60	-2.43
MD-45	0.40	56.52	-1.62	-2.46
MD-45	0.45	55.52	-1.39	-2.15
MD-45	0.50	58.24	-1.60	-2.58
MD-45	0.55	59.71	-1.61	-2.78
MD-45	0.60	60.01	-1.35	-2.10
MD-45	0.65	57.32	-1.76	-2.95
MD-45	0.70	59.67	-1.62	-2.67
MD-45	0.75	59.01	-1.63	-2.69
MD-45	0.80	58.37	-1.71	-3.03
MD-45	0.85	59.17	-1.82	-3.12
MD-45	0.90	58.28	-1.86	-3.17
MD-45	0.95	58.47	-1.98	-3.41
MD-45	1.00	58.18	-1.95	-3.42
MD-45	1.05	60.56	-1.53	-2.85
MD-45	1.10	61.69	-2.04	-3.99
MD-45	1.15	60.21	-1.95	-3.49
MD-45	1.20	59.90	-1.78	-3.15
MD-45	1.25	61.19	-2.06	-3.82
MD-45	1.30	61.62	-1.73	-3.18
MD-45	1.35	61.78	-1.65	-3.10
MD-45	1.40	59.31	-1.94	-3.66
MD-45	1.45	57.04	-2.11	-3.67
MD-45	1.48	57.64	-1.55	-2.96
MD-45	1.52	57.01	-2.05	-3.44
MD-45	1.55	58.20	-2.04	-3.40
MD-45	1.60	57.29	-1.76	-3.00
MD-45	1.65	61.38	-1.55	-2.72
MD-45	1.70	59.01	-1.93	-3.14
MD-45	1.75	58.46	-1.70	-3.17
MD-45	1.80	58.79	-1.76	-3.30
MD-45	1.85	57.74	-2.06	-3.63
MD-45	1.90	58.28	-2.04	-3.86
MD-45	1.95	57.53	-2.06	-3.93
MD-45	2.00	59.67	-1.84	-3.50
MD-45	2.05	57.91	-2.04	-3.95
MD-45	2.10	58.77	-1.85	-3.42
MD-45	2.15	58.00	-2.21	-3.93
MD-45	2.20	61.35	-1.79	-3.36

MD-45	2.25	59.61	-1.61	-3.26
MD-45	2.30	58.43	-1.66	-3.25
MD-45	2.35	58.31	-2.04	-3.99
MD-45	2.40	57.43	-1.88	-3.62
MD-45	2.45	57.08	-1.83	-3.55
MD-45	2.50	57.22	-1.90	-3.69
MD-45	2.55	57.10	-1.93	-3.83
MD-45	2.60	58.72	-1.87	-3.65
MD-45	2.65	56.98	-1.88	-3.86
MD-45	2.70	57.20	-2.03	-3.86
MD-45	2.75	57.39	-1.91	-3.71
MD-45	2.80	59.40	-1.69	-3.39
MD-45	2.85	58.75	-2.27	-4.45
MD-45	2.90	59.88	-1.93	-3.71
MD-45	2.95	57.84	-1.94	-3.79
MD-45	2.98	57.49	-2.17	-4.52
MD-45	3.02	55.57	-2.01	-4.00
MD-45	3.05	55.86	-1.68	-3.41
MD-45	3.10	55.91	-2.14	-4.17
MD-45	3.15	60.08	-2.05	-4.25
MD-45	3.20	60.56	-1.89	-4.16
MD-45	3.25	54.94	-2.23	-4.76
MD-45	3.30	55.69	-2.16	-4.39
MD-45	3.35	56.07	-2.11	-4.43
MD-45	3.40	56.35	-1.98	-4.35
MD-45	3.45	54.84	-2.06	-4.34
MD-45	3.50	56.66	-2.11	-4.64
MD-45	3.55	55.79	-2.15	-4.95
MD-45	3.60	57.12	-2.11	-4.74
MD-45	3.65	56.74	-2.18	-4.95
MD-45	3.70	61.09	-1.76	-4.21
MD-45	3.75	58.48	-1.91	-4.43
MD-45	3.80	58.61	-1.74	-4.28
MD-45	3.85	58.26	-1.81	-4.38
MD-45	3.90	57.17	-2.11	-4.74
MD-45	3.95	57.17	-2.08	-4.68
MD-45	4.00	56.68	-2.07	-4.58
MD-45	4.05	58.38	-1.77	-4.28
MD-45	4.10	57.76	-2.08	-4.60
MD-45	4.15	57.65	-2.02	-4.68
MD-45	4.20	57.48	-2.04	-4.68
MD-45	4.25	58.68	-1.97	-4.56
MD-45	4.30	56.77	-2.13	-4.60
MD-45	4.35	57.90	-1.89	-4.22
MD-45	4.40	58.24	-1.94	-4.43
MD-45	4.45	57.65	-1.97	-4.34
MD-45	4.48	57.33	-2.00	-4.50
MD-45	4.52	56.14	-2.04	-4.28
MD-45	4.55	55.57	-2.05	-4.11
MD-45	4.60	56.25	-2.22	-4.57
MD-45	4.65	60.84	-2.07	-4.92
MD-45	4.70	57.22	-1.95	-4.20

MD-45	4.75	55.64	-2.11	-4.41
MD-45	4.80	56.89	-2.09	-4.51
MD-45	4.85	56.46	-2.26	-4.51
MD-45	4.90	58.28	-1.38	-3.62
MD-45	4.95	57.56	-1.90	-4.30
MD-45	5.00	56.59	-1.98	-4.26
MD-45	5.05	56.73	-2.08	-4.47
MD-45	5.10	58.31	-1.95	-4.52
MD-45	5.15	58.53	-1.67	-3.97
MD-45	5.20	59.43	-1.46	-3.86
MD-45	5.25	61.00	-1.63	-4.41
MD-45	5.30	61.33	-1.58	-3.68
MD-45	5.35	58.17	-1.86	-4.52
MD-45	5.40	57.53	-1.96	-4.77
MD-45	5.45	56.27	-1.95	-4.77
MD-45	5.50	58.19	-1.56	-4.10
MD-45	5.55	57.31	-1.99	-4.71
MD-45	5.60	61.17	-2.14	-5.01
MD-45	5.65	56.16	-2.12	-5.04
MD-45	5.70	55.66	-2.25	-4.91
MD-45	5.75	54.97	-1.88	-4.10
MD-45	5.80	58.89	-1.79	-4.47
MD-45	5.85	56.55	-1.85	-4.35
MD-45	5.90	61.59	-2.27	-5.07
MD-45	5.95	55.85	-2.00	-4.60
MD-45	5.98	57.18	-1.94	-4.43
MD-45	6.02	57.81	-1.46	-4.28
MD-45	6.05	55.22	-1.90	-4.05
MD-45	6.10	54.64	-2.00	-4.44
MD-45	6.15	56.25	-1.98	-4.27
MD-45	6.20	55.27	-1.92	-4.17
MD-45	6.25	57.00	-2.17	-4.54
MD-45	6.30	57.47	-1.90	-4.27
MD-45	6.35	59.28	-1.76	-4.03
MD-45	6.40	60.62	-1.86	-4.59
MD-45	6.45	56.79	-1.97	-4.37
MD-45	6.50	60.32	-1.36	-4.29
MD-45	6.55	53.97	-1.90	-4.24
MD-45	6.60	59.54	-2.11	-4.86
MD-45	6.65	56.21	-1.86	-4.20
MD-45	6.70	59.00	-1.67	-3.95
MD-45	6.75	56.17	-1.67	-4.15
MD-45	6.80	58.84	-1.86	-4.21
MD-45	6.85	58.15	-1.49	-3.97
MD-45	6.90	58.51	-1.69	-4.10
MD-45	6.95	59.55	-1.16	-4.64
MD-45	7.00	58.97	-1.00	-4.44
MD-45	7.05	57.30	-1.32	-3.47
MD-45	7.10	57.75	-1.25	-3.10
MD-45	7.15	60.13	-1.06	-3.45
MD-45	7.20	59.43	-1.22	-3.27
MD-45	7.25	56.14	-1.10	-3.01

MD-45	7.30	55.65	-1.24	-3.39
MD-45	7.35	54.69	-0.97	-3.25
MD-45	7.40	54.49	-1.06	-3.77
MD-45	7.55	55.86	-0.97	-3.40
MD-45	7.60	56.90	-1.20	-3.07
MD-45	7.65	57.10	-1.19	-3.13
MD-45	7.70	57.77	-1.06	-3.01
MD-45	7.75	57.18	-1.10	-3.10
MD-45	7.80	57.06	-1.06	-3.08
MD-45	7.85	56.56	-0.96	-4.32
MD-45	7.90	57.20	-1.08	-3.11
MD-45	7.95	57.07	-1.22	-3.45
MD-45	8.00	56.66	-1.25	-3.41
MD-45	8.05	58.48	-1.08	-3.46
MD-45	8.10	57.69	-1.07	-3.28
MD-45	8.15	56.47	-1.09	-3.46
MD-45	8.20	57.81	-1.09	-3.41
MD-45	8.25	56.50	-1.24	-3.72
MD-45	8.30	57.53	-1.06	-3.64
MD-45	8.35	56.84	-1.19	-3.70
MD-45	8.40	57.44	-1.07	-3.47
MD-45	8.45	56.90	-1.18	-3.78
MD-45	8.50	57.26	-1.33	-4.26
MD-45	8.55	55.63	-1.24	-3.77
MD-45	8.60	56.67	-1.28	-4.11
MD-45	8.65	55.66	-1.33	-3.91
MD-45	8.70	55.53	-1.25	-3.97
MD-45	8.75	56.24	-1.21	-3.89
MD-45	8.80	56.14	-1.15	-3.66
MD-45	8.85	56.79	-1.29	-3.86
MD-45	8.90	56.81	-1.31	-3.92
MD-45	8.95	56.67	-1.17	-3.68
MD-45	8.98	56.14	-1.19	-3.76
MD-45	9.02	55.88	-1.12	-4.49
MD-45	9.05	57.69	-1.21	-3.58
MD-45	9.10	55.65	-1.38	-3.98
MD-45	9.15	56.92	-1.37	-4.43
MD-45	9.20	54.30	-1.28	-3.94
MD-45	9.25	56.80	-1.32	-4.25
MD-45	9.30	54.72	-1.32	-4.00
MD-45	9.35	54.85	-1.21	-3.69
MD-45	9.40	56.32	-1.54	-4.48
MD-45	9.45	55.74	-1.33	-4.26
MD-45	9.50	55.45	-1.37	-4.09
MD-45	9.55	55.14	-1.25	-3.87
MD-45	9.60	54.73	-1.24	-3.98
MD-45	9.65	55.67	-1.32	-4.09
MD-45	9.70	54.97	-1.19	-3.74
MD-45	9.75	56.30	-1.31	-3.91
MD-45	9.80	58.14	-1.13	-3.94
MD-45	9.85	56.91	-1.11	-3.84
MD-45	10.20	56.60	-1.04	-3.54

MD-45	10.25	56.87	-1.14	-3.77
MD-45	10.30	56.63	-1.12	-3.68
MD-45	10.35	57.09	-0.97	-3.41
MD-45	10.40	59.04	-1.16	-3.89
MD-45	10.45	58.19	-1.24	-4.29
MD-45	10.60	56.69	-1.34	-4.25
MD-45	10.65	56.63	-1.30	-3.98
MD-45	10.70	60.43	-1.26	-4.42
MD-45	10.75	58.49	-1.12	-3.78
MD-45	10.80	57.54	-1.30	-3.86
MD-45	11.70	59.55	-1.26	-4.03
MD-45	11.75	58.68	-0.96	-2.58
MD-45	11.80	59.37	-1.09	-3.04
MD-45	11.85	57.55	-0.79	-3.25
MD-45	11.90	57.91	-1.07	-2.81
MD-45	11.95	57.67	-1.03	-2.30
MD-45	12.02	59.74	-1.23	-3.39
MD-45	12.05	59.75	-1.43	-3.45
MD-45	12.10	59.12	-1.18	-3.46
MD-45	12.15	58.57	-1.66	-3.67
MD-45	12.20	58.89	-1.69	-3.99
MD-45	12.25	59.04	-1.55	-3.37
MD-45	12.30	59.07	-1.58	-3.47
MD-45	12.35	58.92	-1.54	-3.41
MD-45	12.40	58.52	-1.37	-3.24
MD-45	12.45	58.64	-1.49	-3.16
MD-45	12.50	59.64	-1.47	-3.20
MD-45	12.55	59.07	-1.46	-3.32
MD-45	12.60	58.77	-1.26	-3.17
MD-45	12.65	59.15	-1.46	-3.40
MD-45	12.70	59.48	-1.37	-2.88
MD-45	12.75	60.04	-1.39	-3.27
MD-45	12.80	59.16	-1.36	-3.19
MD-45	12.85	59.99	-1.47	-3.49
MD-45	12.90	59.43	-1.45	-3.31
MD-45	12.95	62.34	-1.28	-3.21
MD-45	13.00	59.92	-1.32	-2.82
MD-45	13.05	60.25	-1.37	-2.79
MD-45	13.10	60.67	-1.43	-3.42
MD-45	13.15	60.09	-1.53	-3.70
MD-45	13.20	60.69	-1.68	-3.66
MD-45	13.25	62.08	-1.15	-3.37
MD-45	13.30	60.16	-1.45	-3.12
MD-45	13.35	60.67	-1.50	-3.36
MD-45	13.40	61.82	-1.00	-1.80
MD-45	13.45	59.57	-1.35	-2.59
MD-45	13.55	60.47	-1.74	-3.79
MD-45	13.60	61.90	-1.52	-3.27
MD-45	13.65	60.62	-1.65	-3.93