

Relaxation parameters: 500 MHz

S1S2 Residue #	R1 (sec-1)	R1_error (sec-1)	R2 (sec-1)	R2_error (sec-1)	NOE	NOE_error
390	0.955	0.103	51.516	6.764	0.829	0.086
391	0.635	0.027	5.143	0.689	-1.493	0.116
392	0.991	0.021	4.485	0.774	-1.208	0.083
393	1.151	0.027	15.674	3.252	-0.121	0.018
394	1.078	0.020	13.468	0.749	0.424	0.046
395	0.964	0.016	20.404	0.795	0.778	0.015
396	0.967	0.033	20.876	0.898	0.836	0.045
397	0.990	0.014	22.256	0.961	0.985	0.022
398	1.020	0.026	21.495	0.814	0.767	0.044
399	1.037	0.013	22.503	0.536	0.875	0.038
400	1.068	0.024	26.632	0.772	1.036	0.238
401	0.984	0.027	21.023	0.789	0.875	0.079
402	0.822	0.032	21.811	1.200	0.919	0.059
403	0.970	0.023	21.402	0.859	0.911	0.033
406	0.907	0.038	24.811	1.776	0.907	0.146
407	0.932	0.032	21.664	1.009	0.789	0.034
408	0.813	0.019	20.736	0.678	0.783	0.085
409	0.958	0.017	20.766	0.864	0.799	0.093
410	1.025	0.020	18.115	0.741	0.711	0.053
411	1.018	0.030	19.858	0.683	0.674	0.054
412	1.067	0.029	20.588	0.788	0.686	0.090
413	1.002	0.040	20.373	0.697	0.750	0.014
414	1.006	0.023	17.803	0.315	0.672	0.059
415	0.914	0.027	19.180	0.841	0.751	0.080
416	1.006	0.026	23.697	0.919	0.867	0.210
417	1.020	0.016	17.139	0.710	0.704	0.040
418	0.910	0.040	23.044	1.568	0.733	0.019
419	0.981	0.021	23.014	0.814	0.901	0.063
420	0.984	0.033	21.960	0.780	0.966	0.055
421	0.928	0.024	25.749	0.909	0.837	0.055
422	0.912	0.028	22.492	1.193	0.810	0.039
423	0.957	0.017	21.422	1.001	0.833	0.082
424	0.962	0.030	22.962	0.655	0.907	0.049
425	0.990	0.035	21.595	1.642	0.771	0.109
427	0.874	0.027	19.726	1.809	0.568	0.001
429	0.975	0.026	26.619	2.524	0.868	0.142
430	0.930	0.026	22.975	0.921	0.832	0.053
431	0.915	0.034	22.853	0.901	0.956	0.050
432	0.938	0.024	20.526	1.362	0.650	0.087
433	0.986	0.033	22.860	1.583	0.877	0.100
434	0.930	0.024	23.301	1.154	1.030	0.044
435	0.937	0.031	22.067	0.825	0.986	0.060
436	0.900	0.014	3.812	1.367	0.387	0.013
437	0.910	0.028	20.150	0.906	0.799	0.042
438	0.823	0.016	19.282	0.615	0.645	0.021
439	0.905	0.024	19.594	0.646	0.822	0.026
440	0.985	0.015	16.283	2.517	0.806	0.153
441	0.984	0.029	21.596	1.035	0.842	0.122
442	0.952	0.019	20.751	0.671	0.866	0.219
443	1.051	0.034	21.169	1.320	0.785	0.030

444	1.023	0.025	18.087	0.817	0.595	0.033
445	1.042	0.024	21.236	0.725	0.868	0.064
446	0.947	0.017	22.124	0.526	0.776	0.008
447	0.939	0.027	21.001	0.565	0.767	0.047
448	0.910	0.027	23.808	1.659	0.940	0.072
449	0.963	0.021	21.588	0.757	0.840	0.034
450	0.933	0.025	22.396	0.987	0.863	0.068
451	0.938	0.024	22.403	1.462	0.841	0.045
452	1.024	0.042	21.254	0.981	0.715	0.042
453	0.930	0.016	20.296	0.462	0.910	0.040
454	0.941	0.018	24.468	1.107	0.550	0.013
455	0.990	0.020	20.113	0.933	0.555	0.030
456	1.001	0.020	17.942	0.734	0.474	0.077
458	1.011	0.030	21.372	1.082	0.621	0.078
459	1.006	0.018	19.767	0.709	0.634	0.039
460	0.965	0.015	23.204	0.855	0.871	0.038
461	0.941	0.024	15.321	1.408	0.630	0.032
462	0.971	0.010	21.144	0.969	0.836	0.031
463	0.916	0.030	23.413	1.255	1.020	0.073
464	0.931	0.037	21.792	1.250	1.070	0.137
465	0.951	0.049	23.395	1.563	0.723	0.203
466	0.960	0.027	22.043	1.015	1.010	0.037
467	0.905	0.030	22.719	1.052	0.788	0.010
468	0.908	0.019	20.782	2.231	0.656	0.055
469	0.943	0.030	21.841	1.125	0.771	0.008
470	0.943	0.029	22.893	0.989	0.699	0.024
471	1.050	0.114	20.844	1.752	0.944	0.199
472	0.891	0.022	20.200	1.389	0.881	0.006
473	0.979	0.043	21.242	1.641	0.841	0.080
474	1.026	0.034	19.440	1.509	0.907	0.088
475	1.021	0.014	21.264	0.999	0.858	0.078
476	0.981	0.022	20.722	0.785	0.844	0.066
477	1.034	0.033	20.854	0.587	0.746	0.093
479	0.931	0.020	22.662	0.650	0.852	0.022
480	0.979	0.042	21.340	1.509	0.798	0.036
481	1.014	0.022	22.093	0.966	0.743	0.023
482	0.895	0.018	22.282	1.107	1.004	0.089
483	0.951	0.017	17.338	0.773	0.685	0.064
484	0.956	0.022	22.890	1.266	0.654	0.024
485	1.004	0.020	22.975	1.090	1.003	0.116
486	0.980	0.044	26.613	2.713	0.770	0.036
487	0.988	0.040	23.345	1.135	0.700	0.022
488	0.987	0.045	24.559	1.805	0.947	0.097
489	0.937	0.032	22.852	1.550	0.866	0.081
490	1.046	0.061	21.865	2.047	0.883	0.054
491	0.916	0.008	18.851	1.073	0.815	0.046
492	1.023	0.029	21.847	0.845	0.817	0.047
495	1.088	0.061	21.510	2.022	0.837	0.122
496	0.985	0.046	19.111	2.292	1.058	0.124
467	0.931	0.019	13.875	2.022	0.893	0.038
468	0.967	0.020	35.525	3.874	0.756	0.004
499	1.041	0.027	20.466	1.256	0.870	0.043
500	1.012	0.041	21.963	1.326	0.697	0.073

501	1.084	0.040	22.437	1.553	0.791	0.024
502	1.027	0.036	21.076	0.896	0.844	0.114
503	1.052	0.030	22.567	1.445	0.797	0.032
504	0.921	0.023	41.209	7.363	0.675	0.237
505	1.018	0.020	21.025	1.176	0.863	0.131
506	1.004	0.035	24.978	1.112	0.850	0.083
507	0.967	0.019	18.725	0.601	0.852	0.045
636	0.973	0.019	20.377	0.841	0.774	0.044
637	1.020	0.020	23.420	0.862	0.922	0.058
640	1.028	0.025	20.516	0.756	0.834	0.142
641	1.027	0.024	21.526	1.059	0.622	0.048
642	0.921	0.017	20.925	1.021	0.892	0.029
643	0.919	0.022	19.418	0.906	0.643	0.054
644	0.904	0.029	19.052	1.030	0.548	0.037
645	0.982	0.033	20.375	0.842	0.768	0.011
646	1.010	0.023	37.120	3.384	0.952	0.017
649	0.933	0.039	19.660	2.157	1.069	0.063
650	1.061	0.082	23.153	1.681	0.801	0.059
651	1.020	0.023	20.304	1.081	0.741	0.038
652	0.984	0.026	20.137	0.617	0.916	0.173
653	0.994	0.028	21.816	0.716	0.815	0.122
654	0.957	0.022	20.843	0.882	0.770	0.039
655	1.028	0.042	22.603	1.871	0.644	0.069
656	1.019	0.037	22.080	0.777	0.927	0.056
657	0.944	0.018	22.734	1.116	0.574	0.015
659	0.990	0.028	11.932	3.860	0.802	0.205
660	0.998	0.033	22.790	0.981	0.909	0.088
661	0.995	0.013	23.883	0.774	0.643	0.050
662	0.983	0.018	20.478	0.790	0.460	0.075
663	1.024	0.030	29.660	1.937	0.785	0.096
664	0.960	0.024	21.280	0.708	0.690	0.043
665	0.984	0.021	20.197	0.720	0.820	0.028
666	0.974	0.033	21.177	0.667	0.789	0.091
667	0.969	0.032	20.591	1.164	0.700	0.032
668	1.079	0.033	20.624	1.385	0.935	0.133
669	1.053	0.024	20.145	2.134	0.783	0.060
670	0.869	0.020	14.147	1.404	0.457	0.021
671	1.060	0.028	21.116	0.738	0.725	0.055
672	1.094	0.033	20.580	1.171	0.889	0.129
673	1.035	0.033	21.025	1.800	0.997	0.115
674	1.129	0.047	20.508	1.880	0.766	0.160
675	1.076	0.031	21.650	1.147	0.733	0.091
677	0.922	0.019	22.089	0.836	1.050	0.069
678	0.804	0.019	20.448	0.935	0.689	0.041
680	0.928	0.019	19.278	0.686	0.892	0.034
681	1.006	0.016	34.868	4.063	0.473	0.048
682	1.040	0.031	14.333	3.701	0.302	0.019
683	0.973	0.038	27.404	1.902	0.861	0.082
684	0.990	0.027	23.409	0.764	0.783	0.056
685	0.935	0.022	25.634	0.463	0.726	0.072
686	0.928	0.013	22.133	0.716	0.756	0.054
687	0.964	0.021	22.903	0.782	0.666	0.009
688	1.005	0.016	14.661	1.819	0.740	0.165

689	0.969	0.027	23.234	1.642	0.848	0.057
690	0.986	0.022	14.439	1.231	0.510	0.014
691	0.963	0.016	20.362	0.912	0.563	0.045
693	0.967	0.036	22.561	2.501	0.810	0.130
694	0.973	0.031	24.430	1.443	0.590	0.023
696	1.005	0.019	19.114	0.553	0.691	0.049
697	1.078	0.025	21.371	1.166	0.652	0.108
698	0.969	0.017	31.396	4.077	0.730	0.051
699	1.042	0.042	20.316	0.795	0.900	0.055
700	1.053	0.024	22.039	0.559	0.998	0.074
701	1.012	0.040	22.109	0.883	0.886	0.045
702	1.075	0.035	22.409	1.503	1.088	0.098
703	1.038	0.045	19.047	1.810	1.018	0.051
704	1.021	0.020	16.370	2.388	0.613	0.042
705	1.015	0.027	19.969	2.058	0.747	0.021
706	1.066	0.048	22.406	1.083	0.936	0.088
707	1.041	0.038	21.436	1.305	0.884	0.095
708	0.947	0.033	21.546	1.136	0.673	0.058
709	1.095	0.064	25.180	1.887	0.887	0.057
710	1.069	0.052	20.246	1.471	0.860	0.155
711	1.011	0.020	21.445	1.459	0.697	0.029
712	1.039	0.056	20.745	1.327	0.833	0.066
713	1.140	0.064	17.198	1.420	0.594	0.020
714	0.967	0.029	21.130	1.614	0.701	0.133
715	1.047	0.026	22.276	1.037	0.911	0.093
716	0.906	0.044	25.108	2.384	0.677	0.139
719	1.055	0.034	25.045	1.474	0.891	0.151
720	0.969	0.048	22.878	0.903	0.931	0.103
721	1.057	0.024	23.188	0.777	0.736	0.057
723	1.003	0.021	22.115	0.749	0.769	0.161
724	1.013	0.021	17.480	0.979	0.764	0.053
725	1.222	0.027	14.500	0.690	0.705	0.020
726	0.963	0.013	18.212	0.980	0.754	0.040
727	1.004	0.029	23.156	1.141	0.766	0.057
728	0.992	0.025	20.751	1.186	0.919	0.153
729	0.942	0.028	19.519	0.667	0.976	0.059
730	1.014	0.031	20.794	0.828	0.813	0.069
731	0.979	0.031	19.653	0.768	0.847	0.055
732	0.979	0.041	21.025	1.467	0.711	0.095
733	0.969	0.016	8.419	2.821	0.411	0.148
734	0.999	0.041	21.211	0.632	0.900	0.072
735	1.015	0.018	14.116	5.902	0.601	0.101
736	1.001	0.022	20.997	0.776	0.819	0.062
738	0.957	0.026	20.049	0.799	0.701	0.096
739	1.031	0.018	17.261	0.654	0.473	0.005
740	0.917	0.022	21.219	0.585	0.726	0.036
741	1.111	0.032	17.623	0.880	0.462	0.008
742	1.134	0.022	18.131	0.744	0.426	0.024
743	1.013	0.017	22.560	0.973	0.850	0.028
744	0.965	0.010	7.089	0.923	0.161	0.052
745	0.780	0.037	21.698	0.815	0.725	0.025
746	1.011	0.020	23.700	0.750	0.750	0.040
747	1.026	0.028	24.397	1.485	0.618	0.030

748	1.001	0.034	21.713	0.894	0.877	0.060
749	1.036	0.038	21.997	0.757	1.033	0.153
750	0.811	0.033	12.043	1.811	0.658	0.045
751	0.997	0.056	21.303	1.916	0.749	0.100
752	0.791	0.084	27.621	3.760	0.807	0.075
753	0.986	0.051	20.882	1.249	0.722	0.086
754	0.901	0.015	19.336	1.136	0.662	0.080
755	1.028	0.033	21.372	4.842	0.852	0.075
756	0.951	0.041	19.773	0.660	0.686	0.049
757	0.971	0.034	20.769	1.233	0.717	0.100
758	1.007	0.059	16.210	9.683	0.894	0.157
759	0.994	0.054	32.771	3.371	0.845	0.138
760	0.868	0.032	19.733	2.415	0.896	0.157
761	0.918	0.045	22.228	1.640	0.972	0.009
762	1.043	0.037	17.476	2.771	0.884	0.225
764	0.937	0.054	21.936	1.771	0.775	0.149
765	0.957	0.039	29.064	6.330	0.845	0.036
766	1.034	0.092	22.475	2.276	0.956	0.080
767	1.027	0.074	23.193	2.041	0.669	0.076
768	1.038	0.052	17.633	1.936	0.464	0.029
769	1.115	0.052	6.903	1.251	0.326	0.040
770	1.174	0.048	8.082	1.006	0.448	0.059
771	1.110	0.037	11.604	1.017	0.332	0.042
772	1.091	0.029	18.318	1.290	0.584	0.094
773	0.960	0.026	11.368	1.098	0.540	0.010
774	1.046	0.015	6.917	0.606	-0.537	0.030
775	0.891	0.010	2.736	0.617	-0.745	0.047

Relaxation parameters: 600 MHz

S1S2 Residue #	R1 (sec-1)	R1_error (sec-1)	R2 (sec-1)	R2_error (sec-1)	NOE	NOE_error
390	0.653	0.055	9.551	2.818	0.533	0.134
391	0.587	0.034	3.066	0.097	-1.026	0.053
392	0.931	0.040	3.340	0.326	-0.851	0.085
393	1.082	0.057	5.611	0.768	-0.347	0.049
394	0.920	0.050	15.174	0.684	0.100	0.085
395	0.761	0.033	22.525	1.045	0.707	0.052
396	0.745	0.042	23.825	0.924	0.873	0.032
397	0.765	0.023	24.716	0.799	0.799	0.013
398	0.835	0.059	23.306	0.843	0.846	0.022
399	0.813	0.044	23.328	0.633	0.843	0.016
401	0.755	0.018	24.884	0.720	0.858	0.112
402	0.611	0.017	22.541	1.184	0.811	0.016
403	0.708	0.018	23.856	0.721	0.791	0.041
406	0.653	0.026	25.656	1.055	0.865	0.077
407	0.721	0.036	23.633	0.937	0.861	0.055
408	0.602	0.014	22.730	0.537	0.798	0.026
409	0.691	0.023	23.553	0.600	0.694	0.012
410	0.809	0.016	21.215	0.667	0.650	0.018
411	0.830	0.045	24.169	0.860	0.617	0.067
412	0.883	0.050	23.055	0.980	0.557	0.010
413	0.808	0.032	23.300	1.444	0.624	0.042
414	0.806	0.044	21.611	0.669	0.579	0.023
415	0.728	0.041	22.200	0.772	0.624	0.022
416	0.770	0.039	26.094	0.777	0.621	0.029
417	0.807	0.042	19.212	0.624	0.764	0.035
418	0.750	0.048	24.374	1.435	0.729	0.057
419	0.761	0.031	25.422	0.664	0.747	0.047
420	0.782	0.026	24.828	0.911	0.715	0.033
421	0.732	0.045	26.451	0.894	0.802	0.044
422	0.702	0.019	25.721	0.497	0.795	0.029
423	0.695	0.013	25.009	0.773	0.792	0.053
424	0.726	0.051	26.545	0.543	0.914	0.021
425	0.765	0.013	23.236	1.487	0.862	0.068
426	0.757	0.054	25.234	1.475	0.654	0.019
427	0.740	0.045	24.626	1.310	0.899	0.050
428	0.776	0.073	33.204	2.249	1.022	0.061
429	0.747	0.032	26.220	0.589	0.952	0.102
430	0.691	0.026	25.990	0.868	1.003	0.052
431	0.696	0.018	25.238	0.926	0.797	0.015
432	0.771	0.062	23.792	0.845	0.769	0.052
433	0.790	0.043	22.770	1.876	0.831	0.019
434	0.688	0.047	26.074	1.309	0.754	0.043
435	0.768	0.053	25.310	1.195	0.747	0.017
436	0.711	0.072	5.403	1.049	0.498	0.035
437	0.723	0.034	22.264	0.926	0.786	0.010
438	0.659	0.043	21.853	0.703	1.001	0.064
439	0.724	0.050	21.745	0.832	0.858	0.062
440	0.745	0.017	23.341	0.519	0.751	0.081
441	0.769	0.042	21.921	0.536	0.823	0.022
442	0.775	0.061	24.508	0.868	0.879	0.074

443	0.753	0.025	22.348	0.453	0.800	0.040
444	0.788	0.035	20.496	0.577	0.805	0.040
445	0.835	0.041	24.847	0.675	0.849	0.031
446	0.752	0.025	24.909	0.842	0.772	0.040
447	0.706	0.014	24.691	0.463	0.856	0.091
448	0.703	0.024	27.871	1.243	0.881	0.042
449	0.757	0.023	22.502	1.365	0.796	0.009
450	0.664	0.038	26.652	1.209	0.783	0.017
451	0.670	0.020	23.745	0.655	0.853	0.081
452	0.733	0.050	23.934	1.092	0.833	0.055
453	0.710	0.010	22.616	0.349	0.640	0.058
454	0.733	0.015	20.737	1.337	0.558	0.012
455	0.764	0.010	26.071	0.568	0.563	0.035
456	0.785	0.015	21.187	0.347	0.493	0.059
458	0.774	0.026	27.363	0.873	0.574	0.027
459	0.738	0.022	21.844	0.706	0.671	0.066
460	0.749	0.027	27.588	0.698	0.733	0.036
461	0.703	0.023	21.511	1.518	0.816	0.010
462	0.725	0.017	22.801	0.592	0.804	0.019
463	0.694	0.016	24.967	1.058	0.764	0.019
464	0.709	0.030	26.662	1.174	0.929	0.074
465	0.796	0.059	26.597	1.282	0.864	0.055
466	0.718	0.034	25.920	1.009	0.797	0.044
467	0.683	0.028	25.919	1.465	1.016	0.068
468	0.822	0.042	24.474	2.793	0.904	0.047
469	0.694	0.019	26.664	1.336	0.886	0.046
470	0.750	0.048	24.144	1.580	1.025	0.110
472	0.729	0.060	22.837	0.843	0.717	0.052
473	0.727	0.044	22.794	0.732	0.835	0.016
474	0.785	0.027	22.750	1.894	0.633	0.060
475	0.810	0.041	24.363	0.615	0.799	0.062
476	0.755	0.051	22.809	0.895	0.891	0.045
477	0.789	0.036	24.866	0.812	0.772	0.007
479	0.706	0.028	24.637	0.334	0.795	0.075
480	0.746	0.025	24.037	1.416	0.841	0.034
481	0.731	0.024	25.066	0.519	0.889	0.042
483	0.645	0.038	23.943	2.301	0.677	0.006
484	0.710	0.039	28.424	1.148	0.708	0.017
485	0.715	0.023	25.422	1.011	0.799	0.036
486	0.645	0.034	32.350	3.589	1.083	0.124
487	0.755	0.019	25.746	0.923	1.041	0.069
488	0.684	0.024	27.171	1.815	0.801	0.091
489	0.697	0.041	23.618	1.201	0.840	0.054
490	0.763	0.045	24.442	1.285	0.560	0.040
491	0.691	0.020	21.382	0.526	0.767	0.073
492	0.779	0.018	24.515	1.123	0.864	0.025
495	0.734	0.033	24.127	0.938	0.749	0.023
496	0.732	0.054	22.924	1.823	0.744	0.095
467	0.677	0.027	22.012	0.677	0.792	0.059
468	0.732	0.024	24.603	0.491	1.071	0.101
499	0.719	0.024	23.785	1.153	0.844	0.048
500	0.713	0.068	23.167	1.619	0.772	0.059
501	0.756	0.078	24.929	1.789	0.986	0.096

502	0.608	0.052	23.264	0.956	0.700	0.035
503	0.700	0.053	24.970	2.465	0.804	0.058
504	0.712	0.044	31.728	1.467	0.977	0.105
505	0.710	0.034	24.225	1.124	0.988	0.065
506	0.678	0.050	28.183	1.071	0.790	0.031
507	0.712	0.021	22.100	0.525	0.704	0.024
636	0.722	0.022	23.072	0.634	0.768	0.013
637	0.748	0.025	28.358	0.988	0.712	0.047
638	0.776	0.020	25.944	0.613	0.817	0.088
640	0.782	0.019	24.016	0.580	0.857	0.097
641	0.774	0.014	23.350	0.432	0.996	0.059
642	0.722	0.024	24.808	0.706	0.625	0.048
643	0.714	0.019	22.813	0.493	0.619	0.025
644	0.685	0.014	24.641	1.916	0.750	0.027
645	0.722	0.028	21.962	0.823	0.831	0.064
646	0.812	0.099	27.366	1.127	0.936	0.145
648	0.685	0.058	23.494	1.514	0.670	0.008
650	0.720	0.064	25.393	1.615	0.869	0.162
651	0.723	0.060	24.990	1.494	0.796	0.024
652	0.754	0.028	23.171	0.710	0.708	0.058
653	0.751	0.057	24.272	0.834	0.749	0.046
654	0.709	0.014	25.773	0.956	0.819	0.048
655	0.754	0.035	27.510	1.987	0.838	0.015
656	0.699	0.020	24.832	1.024	0.939	0.089
657	0.692	0.063	24.046	1.219	0.871	0.064
659	0.706	0.024	25.430	1.233	0.946	0.102
660	0.737	0.013	25.413	1.105	0.753	0.037
661	0.769	0.016	24.407	1.074	1.008	0.050
662	0.825	0.031	22.426	0.497	0.660	0.021
663	0.774	0.061	24.243	0.824	0.623	0.050
664	0.755	0.024	22.726	0.558	0.780	0.048
665	0.758	0.029	23.010	0.639	0.792	0.043
666	0.785	0.015	23.730	0.749	0.920	0.054
668	0.815	0.025	24.027	1.139	0.905	0.069
669	0.803	0.030	23.996	1.115	0.793	0.066
670	0.814	0.045	24.200	0.746	0.872	0.057
671	0.780	0.023	24.036	0.935	0.780	0.034
672	0.808	0.022	23.737	0.629	0.821	0.045
673	0.748	0.028	26.623	1.023	0.777	0.013
674	0.901	0.085	26.019	2.078	0.709	0.102
675	0.789	0.012	23.804	0.396	0.828	0.053
676	0.768	0.047	23.203	1.428	0.628	0.036
677	0.732	0.010	24.694	0.592	0.686	0.011
678	0.601	0.014	22.327	0.353	0.821	0.032
680	0.737	0.047	20.716	0.973	0.764	0.058
681	0.693	0.026	28.173	1.559	0.819	0.233
682	0.742	0.038	23.170	3.739	0.630	0.063
683	0.689	0.051	35.999	2.858	0.817	0.089
684	0.756	0.014	25.684	0.491	0.794	0.013
685	0.715	0.022	28.777	0.700	0.992	0.106
686	0.701	0.017	24.655	0.502	0.818	0.051
687	0.705	0.014	27.168	0.551	0.774	0.054
688	0.696	0.077	21.926	1.614	0.876	0.076

689	0.716	0.016	25.297	0.899	0.832	0.021
690	0.660	0.071	21.647	1.719	0.729	0.024
691	0.764	0.017	24.046	0.968	0.849	0.034
693	0.793	0.045	26.028	0.892	0.879	0.048
694	0.716	0.023	25.655	1.155	0.855	0.034
696	0.747	0.018	22.744	0.561	0.461	0.017
697	0.778	0.020	26.351	0.372	0.622	0.055
698	0.731	0.041	20.722	2.274	0.933	0.135
699	0.752	0.023	26.740	1.653	0.816	0.009
700	0.800	0.025	24.810	0.645	0.711	0.055
701	0.753	0.018	23.842	0.806	0.836	0.007
702	0.673	0.066	26.251	1.740	0.821	0.034
703	0.650	0.053	24.081	1.699	0.914	0.073
704	0.639	0.032	17.884	2.651	0.611	0.075
705	0.680	0.057	23.445	1.340	0.803	0.055
706	0.780	0.033	23.072	0.997	0.818	0.019
707	0.798	0.065	23.294	1.359	0.900	0.088
708	0.732	0.015	23.302	0.943	1.055	0.086
709	0.785	0.029	27.095	1.562	0.801	0.064
710	0.730	0.050	23.727	1.601	0.823	0.071
711	0.660	0.060	25.458	1.707	0.978	0.078
712	0.748	0.032	22.783	1.465	0.710	0.049
713	0.744	0.102	16.881	1.759	0.661	0.141
714	0.692	0.047	23.957	1.693	0.735	0.043
715	0.747	0.026	23.606	0.973	0.740	0.015
716	0.633	0.062	29.212	2.667	0.714	0.019
719	0.693	0.050	30.795	2.126	0.825	0.039
720	0.710	0.023	25.590	0.880	0.720	0.038
721	0.767	0.035	26.393	0.971	0.921	0.070
723	0.813	0.019	23.867	1.634	0.930	0.080
724	0.737	0.047	20.662	0.862	0.681	0.025
725	0.995	0.036	16.560	0.374	0.865	0.066
726	0.720	0.017	20.201	0.399	0.841	0.214
727	0.707	0.030	26.704	0.856	0.775	0.012
728	0.703	0.021	25.525	1.254	0.841	0.017
729	0.684	0.041	21.416	0.816	0.758	0.033
730	0.783	0.015	22.628	0.533	0.834	0.057
731	0.628	0.062	23.128	0.756	0.767	0.025
732	0.640	0.051	23.342	1.188	0.970	0.104
733	0.696	0.037	25.994	0.996	1.026	0.154
734	0.718	0.053	23.294	0.957	0.831	0.061
735	0.754	0.040	22.068	0.490	0.851	0.093
736	0.775	0.036	23.721	0.734	0.841	0.053
738	0.675	0.028	21.271	0.872	0.722	0.020
739	0.858	0.042	19.782	0.472	0.531	0.031
740	0.759	0.040	22.947	0.625	0.571	0.028
741	0.900	0.061	19.472	0.830	0.465	0.045
742	0.864	0.030	19.826	0.710	0.545	0.030
743	0.768	0.024	24.409	0.554	0.872	0.049
744	0.738	0.037	8.878	1.220	6.233	0.747
745	0.690	0.032	22.956	0.696	0.909	0.078
746	0.759	0.016	24.620	1.121	0.716	0.048
747	0.730	0.036	18.332	2.423	0.644	0.052

748	0.742	0.022	22.574	1.464	0.838	0.079
749	0.840	0.101	28.743	1.559	0.685	0.129
750	0.764	0.043	26.881	1.313	0.869	0.100
751	0.792	0.032	23.384	1.119	0.796	0.040
753	0.687	0.062	19.053	1.290	0.751	0.068
754	0.723	0.040	20.833	0.797	0.623	0.058
755	0.759	0.018	14.489	2.493	0.615	0.015
756	0.698	0.031	22.672	0.855	0.808	0.057
757	0.763	0.036	23.509	0.865	0.796	0.016
758	0.752	0.020	21.873	2.208	0.784	0.155
759	0.745	0.018	25.565	0.518	0.864	0.093
760	0.646	0.041	15.948	3.778	0.947	0.112
761	0.697	0.024	23.307	0.698	0.755	0.041
762	0.771	0.029	25.592	1.276	0.721	0.020
764	0.630	0.055	25.671	1.523	0.829	0.090
765	0.638	0.083	27.428	3.804	0.871	0.188
766	0.698	0.046	23.737	1.961	0.738	0.082
767	0.690	0.067	22.858	1.316	0.828	0.004
768	0.736	0.066	22.039	1.912	0.529	0.014
769	0.736	0.049	18.386	2.818	0.561	0.058
770	0.865	0.111	17.313	1.735	0.793	0.085
771	0.927	0.046	12.246	0.611	0.411	0.018
772	0.744	0.035	19.356	1.053	0.599	0.004
773	0.674	0.068	17.242	2.637	0.512	0.126
774	0.882	0.044	8.605	0.683	-0.396	0.050
775	0.828	0.037	2.704	0.130	-0.636	0.032

S1S2 Residue #	Dynamic Model	Dynamics parameters				Residual (σ^2)
		Stot2	Sf2	tau_e	Rex	
391	5	0.1475	0.484	0.4625	0	0
392	5	0.1245	0.65	0.615	0	0
393	5	0.4325	0.827	0.6745	0	0
394	5	0.5905	0.815	1.007	0	0
395	2	0.904	1	0.0305	0	0.245
396	1	0.9345	1	0	0	0.115
397	3	0.926	1	0	2.31	2.955
398	1	0.963	1	0	0	1.28
399	1	0.9715	1	0	0	1.41
400	3	0.988	1	0	6.39	0
401	3	0.917	1	0	1.75	0
402	3	0.7875	1	0	3.785	0.785
403	1	0.927	1	0	0	1.375
406	3	0.8635	1	0	4.96	0
407	3	0.904	1	0	1.03	0.315
408	3	0.775	1	0	3.52	0.855
409	2	0.911	1	0.041	0	2.015
410	2	0.937	1	0.11	0	4.27
411	2	0.9255	1	0.3255	0	2.595
412	2	0.9245	1	0.7105	0	1.835
413	2	0.923	1	0.3445	0	3.31
414	2	0.894	1	0.079	0	2.09
415	2	0.867	1	0.0385	0	0.635
416	4	0.917	1	0.0345	4.08	0
417	5	0.7685	0.838	1.899	0	0
418	2	0.9325	1	0.0585	0	0.47
419	3	0.9565	1	0	1.285	1.605
420	2	0.96	1	0.145	0	0.13
421	3	0.943	1	0	3.275	0.225
422	3	0.8865	1	0	3.08	0.79
423	3	0.8845	1	0	2.445	0.27
424	3	0.9505	1	0	1.17	0
425	1	0.9745	1	0	0	1.205
426	2	0.96	1	0.191	0	0.1
427	2	0.89	1	0.0255	0	0.04
429	3	0.966	1	0	3.35	0
430	3	0.9145	1	0	1.855	0
431	1	0.932	1	0	0	3.845
432	1	0.9285	1	0	0	3.565
433	1	0.9805	1	0	0	1.1
434	1	0.9545	1	0	0	2.635
435	2	0.952	1	0.2515	0	0.035
436	5	0.1495	0.402	1.8145	0	0
437	2	0.8835	1	0.009	0	0.035
438	2	0.783	1	0.026	0	2.81
439	1	0.8695	1	0	0	1.585
440	1	0.927	1	0	0	2.925
441	1	0.9205	1	0	0	0.68
442	3	0.9145	1	0	1.51	0
443	1	0.9465	1	0	0	0.94

444	1	0.887	1	0	0	6.47
445	1	0.958	1	0	0	0.21
446	2	0.9475	1	0.042	0	0.025
447	1	0.902	1	0	0	1.09
448	3	0.9055	1	0	3.985	0
449	2	0.94	1	0.0115	0	0.78
450	2	0.979	1	0.073	0	6.2
451	3	0.882	1	0	0.94	0
452	3	0.898	1	0	2.3	0
453	4	0.834	1	0.033	2.42	0
454	2	0.87	1	0.065	0	0.68
455	2	0.9	1	0.118	0	2.09
456	5	0.8035	0.8985	0.6825	0	0
458	2	0.938	1	0.19	0	1.55
459	2	0.8985	1	0.073	0	3.145
460	1	0.959	1	0	0	0.01
461	2	0.8595	1	0.0245	0	2.72
462	4	0.898	1	0.0035	1.025	0
463	4	0.8895	1	0.008	2.8	0
464	1	0.951	1	0	0	1.29
465	1	0.954	1	0	0	0.32
466	1	0.9605	1	0	0	1.42
467	2	0.909	1	0.012	0	1.71
468	2	0.9275	1	0.5235	0	0.97
469	4	0.8995	1	0.0095	2.38	0
470	4	0.862	1	0.033	4.67	0
471	1	0.941	1	0	0	0.57
472	3	0.858	1	0	1.895	2.375
473	3	0.9015	1	0	1.13	0
474	1	0.947	1	0	0	1.8
475	1	0.95	1	0	0	0.06
476	3	0.917	1	0	0.46	0
477	2	0.955	1	0.0865	0	1.19
479	3	0.9045	1	0	1.905	0.115
480	1	0.9405	1	0	0	0.205
481	3	0.899	1	0	3.33	0
482	3	0.854	1	0	3.62	0
483	4	0.81	1	0.021	3.21	0
484	4	0.9075	1	0.0555	3.275	0
485	1	0.959	1	0	0	3.48
486	1	0.986	1	0	0	4.13
487	1	0.995	1	0	0	0
488	3	0.9245	1	0	3.58	0.055
489	3	0.896	1	0	1.915	0
490	1	0.975	1	0	0	0.02
491	1	0.86	1	0	0	1.07
492	1	0.9675	1	0	0	0.245
495	2	0.9705	1	0.527	0	1.915
496	1	0.9155	1	0	0	0.7
467	1	0.872	1	0	0	3.86
468	3	0.909	1	0	2.38	0
499	3	0.893	1	0	1.97	0
500	1	0.941	1	0	0	2.045

501	3	0.928	1	0	2.51	0
502	4	0.722	1	0.012	5.85	0
503	3	0.917	1	0	2.56	0.28
504	3	0.867	1	0	20.99	0.175
505	3	0.875	1	0	2.98	0
506	3	0.8895	1	0	6.495	0.85
507	2	0.885	1	0.032	0	0.76
636	2	0.913	1	0.022	0	0.775
637	3	0.9435	1	0	3.98	3.16
638	3	0.971	1	0	2.03	0.03
640	1	0.963	1	0	0	1.655
641	2	0.921	1	0.108	0	0.62
642	2	0.921	1	0.05	0	1.47
643	2	0.871	1	0.0525	0	0.715
644	4	0.812	1	0.0305	2.94	0
645	4	0.8905	1	0.0095	0.495	0
648	2	0.919	1	0.066	0	2.99
649	3	0.863	1	0	0.39	0
650	3	0.937	1	0	2.565	0.03
651	2	0.952	1	0.0485	0	1.365
652	2	0.9185	1	0.034	0	0.98
653	2	0.944	1	0.056	0	1.01
654	3	0.883	1	0	2.76	0.73
655	3	0.939	1	0	3.415	3.075
656	3	0.9145	1	0	1.88	0
657	3	0.861	1	0	2.98	0
659	3	0.865	1	0	4.58	0
660	3	0.9245	1	0	2.67	2.265
661	4	0.9155	1	0.032	3.575	0.00005
662	2	0.9015	1	0.432	0	2.145
663	2	0.958	1	0.288	0	0.81
664	1	0.9235	1	0	0	5.51
665	1	0.927	1	0	0	0.615
666	1	0.947	1	0	0	0.25
667	2	0.891	1	0.042	0	0.07
668	1	0.9915	1	0	0	0.6
669	1	0.98	1	0	0	0.625
670	2	0.8695	1	0.0375	0	1.77
671	2	0.96	1	0.077	0	0.695
672	2	0.982	1	0.512	0	0.785
673	1	0.957	1	0	0	0.09
674	2	0.9565	1	0.9995	0	1.44
675	2	0.975	1	0.219	0	0.07
676	2	0.928	1	0.098	0	0.36
677	4	0.899	1	0.0235	1.735	0
678	4	0.764	1	0.009	3.305	0
680	2	0.864	1	0.008	0	0.09
681	4	0.85	1	0.002	7.61	0
682	2	0.8605	1	0.11	0	0.665
683	3	0.889	1	0	12.045	0.015
684	3	0.955	1	0	1.53	0.36
685	3	0.9345	1	0	4.565	0.79
686	3	0.922	1	0	0.79	0.07

687	3	0.92	1	0	3.57	1.14
688	1	0.871	1	0	0	0.23
689	1	0.9585	1	0	0	0.32
690	2	0.841	1	0.017	0	0
691	2	0.934	1	0.054	0	1.24
693	1	0.96	1	0	0	0.07
694	2	0.939	1	0.191	0	2.52
696	2	0.886	1	0.114	0	0.95
697	2	0.949	1	0.575	0	0.33
698	1	0.916	1	0	0	1.05
699	1	0.934	1	0	0	1.27
700	3	0.9785	1	0	0.635	2.35
701	3	0.9295	1	0	1.595	0
702	3	0.825	1	0	6.34	0.09
703	3	0.796	1	0	4.92	0
704	2	0.831	1	0.0635	0	1.105
705	2	0.9285	1	0.025	0	1.075
706	1	0.9745	1	0	0	0.25
707	1	0.9675	1	0	0	0.345
708	3	0.89	1	0	1.985	3.01
709	3	0.979	1	0	3.08	0.22
710	3	0.924	1	0	0.72	0.01
711	3	0.819	1	0	5.49	0
712	2	0.929	1	0.024	0	0.385
713	2	0.8455	1	0.448	0	4.415
714	2	0.909	1	0.0425	0	0.415
715	2	0.933	1	0.043	0	1.66
716	4	0.812	1	0.0235	8.75	0
719	3	0.883	1	0	8.68	0.02
720	4	0.871	1	0.025	4.01	0
721	3	0.96	1	0	2.69	0.965
723	1	0.972	1	0	0	0.845
724	2	0.856	1	0.031	0	0.39
726	2	0.8585	1	0.033	0	2.46
727	4	0.886	1	0.018	4.89	0
728	3	0.8905	1	0	2.43	0
729	1	0.8725	1	0	0	2.77
730	1	0.9455	1	0	0	1.45
731	1	0.895	1	0	0	0.93
732	3	0.907	1	0	0.88	1.22
733	3	0.863	1	0	4.95	0
734	1	0.9365	1	0	0	0.315
735	1	0.9325	1	0	0	3.125
736	1	0.9515	1	0	0	0.26
738	2	0.8615	1	0.0315	0	0.27
739	5	0.773	0.8895	0.8945	0	0
740	2	0.894	1	0.058	0	0.195
741	5	0.7835	0.9215	0.8875	0	0
742	5	0.796	0.926	0.8985	0	0
743	3	0.9445	1	0	1.625	0
745	3	0.858	1	0	1.95	0
746	3	0.9415	1	0	2.54	4.18
747	2	0.9045	1	0.1045	0	2.545

748	1	0.9415	1	0	0	0.235
749	3	0.966	1	0	0.22	0
750	3	0.948	1	0	3.75	0
751	1	0.961	1	0	0	1.22
752	3	0.744	1	0	15.29	0.01
753	1	0.865	1	0	0	1.535
754	2	0.8375	1	0.0365	0	0.1
755	2	0.9435	1	0.0395	0	2.215
756	2	0.888	1	0.0195	0	1.53
757	2	0.9255	1	0.028	0	0.54
758	1	0.9775	1	0	0	0.875
759	3	0.951	1	0	8.53	0
760	1	0.8315	1	0	0	0.495
761	2	0.903	1	0.022	0	0.13
762	2	0.971	1	0.427	0	1.845
764	1	0.938	1	0	0	1.865
765	3	0.8795	1	0	8.23	0
766	1	0.945	1	0	0	1.085
767	2	0.934	1	0.096	0	0.225
768	2	0.8965	1	0.2275	0	1.815
769	2	0.864	1	0.061	0	1.22
770	5	0.4945	0.7055	2.855	0	0
771	5	0.469	0.722	1.291	0	0
772	5	0.802	0.882	0.866	0	0
773	5	0.5635	0.6975	1.3025	0	0
774	5	0.2835	0.691	0.7315	0	0
775	5	0.0765	0.5205	0.766	0	0