

Table 2-S Observed transition frequencies and their deviations from the calculated frequencies of Ar-DMS (in MHz).<sup>a</sup>

TRANSITION			OBS	O - C	TRANSITION			OBS	O - C
AE	1	1 0 - 0 0 0	7154.5846	.0000	AE	4	3 2 - 4 2 2	22706.3751	.0000
EA	1	1 0 - 0 0 0	7154.5846	.0001	AE	4	3 1 - 4 2 2	22707.1509	.0003
EE	1	1 0 - 0 0 0	7154.5846	-.0018	EA	4	3 2 - 4 2 2	22706.6456	-.0011
AA	1	1 0 - 0 0 0	7154.5846	-.0037	EE	4	3 2 - 4 2 2	22706.5474	.0033
AE	2	1 1 - 1 0 1	9824.1203	-.0014	EE	4	3 1 - 4 2 2	22706.9814	-.0008
EA	2	1 1 - 1 0 1	9824.1203	-.0013	AA	4	3 2 - 4 2 2	22706.6456	.0006
EE	2	1 1 - 1 0 1	9824.1264	.0006	AE	4	3 1 - 4 2 3	22746.1661	.0011
AA	2	1 1 - 1 0 1	9824.1264	-.0035	AE	4	3 2 - 4 2 3	22745.3893	-.0002
AE	3	1 2 - 2 0 2	12557.1437	-.0034	EA	4	3 1 - 4 2 3	22745.8949	.0015
EA	3	1 2 - 2 0 2	12557.1437	-.0034	EE	4	3 1 - 4 2 3	22745.9927	-.0019
EE	3	1 2 - 2 0 2	12557.1542	.0004	EE	4	3 2 - 4 2 3	22745.5561	-.0004
AA	3	1 2 - 2 0 2	12557.1542	-.0062	AA	4	3 1 - 4 2 3	22745.8949	.0026
AE	4	1 3 - 3 0 3	15356.6729	-.0026	AE	5	3 3 - 5 2 3	22667.0411	-.0007
EA	4	1 3 - 3 0 3	15356.6729	-.0026	EA	5	3 3 - 5 2 3	22667.1690	-.0011
EE	4	1 3 - 3 0 3	15356.6853	.0003	EE	5	3 3 - 5 2 3	22667.1368	.0030
AA	4	1 3 - 3 0 3	15356.6853	-.0092	AA	5	3 3 - 5 2 3	22667.1690	.0013
AE	5	1 4 - 4 0 4	18227.5158	-.0007	AE	5	3 2 - 5 2 4	22759.0073	.0030
EA	5	1 4 - 4 0 4	18227.5158	-.0007	EA	5	3 2 - 5 2 4	22758.8783	.0023
EE	5	1 4 - 4 0 4	18227.5312	.0020	EE	5	3 2 - 5 2 4	22758.9113	.0006
AA	5	1 4 - 4 0 4	18227.5473	.0054	AA	5	3 2 - 5 2 4	22758.8783	.0032
AE	6	1 5 - 5 0 5	21176.0974	.0065	AE	6	3 4 - 6 2 4	22599.7794	-.0002
EA	6	1 5 - 5 0 5	21176.0974	.0065	EA	6	3 4 - 6 2 4	22599.8315	.0040
EE	6	1 5 - 5 0 5	21176.1081	.0009	EE	6	3 4 - 6 2 4	22599.8120	-.0017
AA	6	1 5 - 5 0 5	21176.1081	-.0154	AA	6	3 4 - 6 2 4	22599.8120	-.0120
AE	7	1 6 - 6 0 6	24210.1009	.0063	AE	6	3 3 - 6 2 5	22783.3598	.0024
EA	7	1 6 - 6 0 6	24210.1009	.0063	EA	6	3 3 - 6 2 5	22783.3095	.0000
EE	7	1 6 - 6 0 6	24210.1171	.0022	EE	6	3 3 - 6 2 5	22783.3260	.0045
AA	7	1 6 - 6 0 6	24210.1171	-.0182	AA	6	3 3 - 6 2 5	22783.3095	.0003
AE	8	1 7 - 7 0 7	27337.9478	-.0045	AE	7	3 5 - 7 2 5	22494.4663	.0124
EA	8	1 7 - 7 0 7	27337.9478	-.0045	EA	7	3 5 - 7 2 5	22494.4663	-.0071

EE	8	1	7	-	7	0	7	27337.9785	.0013	EE	7	3	5	-	7	2	5	22494.4663	.0004
AA	8	1	7	-	7	0	7	27338.0108	.0087	AA	7	3	5	-	7	2	5	22494.4663	-.0018
AE	2	2	0	-	1	1	0	18670.3759	-.0024	AE	7	3	4	-	7	2	6	22824.3285	-.0105
EA	2	2	0	-	1	1	0	18670.3519	-.0034	EA	7	3	4	-	7	2	6	22824.3231	.0036
EE	2	2	0	-	1	1	0	18670.3626	-.0013	EE	7	3	4	-	7	2	6	22824.3231	-.0015
AA	2	2	0	-	1	1	0	18670.3626	.0016	AA	7	3	4	-	7	2	6	22824.3231	.0032
AE	3	2	1	-	2	1	1	21097.7291	-.0030	AE	8	3	6	-	8	2	6	22340.3258	.0004
EA	3	2	1	-	2	1	1	21097.7291	.0016	EA	8	3	6	-	8	2	6	22340.3258	-.0085
EE	3	2	1	-	2	1	1	21097.7291	-.0036	EE	8	3	6	-	8	2	6	22340.3258	-.0024
AA	3	2	1	-	2	1	1	21097.7291	-.0066	AA	8	3	6	-	8	2	6	22340.3258	-.0008
AE	4	2	2	-	3	1	2	23476.7606	-.0032	AE	8	3	5	-	8	2	7	22888.1339	-.0030
EA	4	2	2	-	3	1	2	23476.7606	-.0017	EA	8	3	5	-	8	2	7	22888.1339	.0059
EE	4	2	2	-	3	1	2	23476.7606	-.0073	EE	8	3	5	-	8	2	7	22888.1339	.0029
AA	4	2	2	-	3	1	2	23476.7746	.0019	AA	8	3	5	-	8	2	7	22888.1339	.0043
AE	5	2	3	-	4	1	3	25817.8543	-.0001	AE	9	3	7	-	9	2	7	22126.8000	-.0044
EA	5	2	3	-	4	1	3	25817.8543	.0006	EA	9	3	7	-	9	2	7	22126.8000	-.0088
EE	5	2	3	-	4	1	3	25817.8543	-.0059	EE	9	3	7	-	9	2	7	22126.8000	-.0022
AA	5	2	3	-	4	1	3	25817.8543	-.0121	AA	9	3	7	-	9	2	7	22126.8000	.0023
AE	2	2	1	-	1	1	1	18793.5625	-.0004	AE	9	3	6	-	9	2	8	22982.1639	.0020
EA	2	2	1	-	1	1	1	18793.5809	-.0050	EA	9	3	6	-	9	2	8	22982.1639	.0064
EE	2	2	1	-	1	1	1	18793.5809	-.0025	EE	9	3	6	-	9	2	8	22982.1639	.0036
AA	2	2	1	-	1	1	1	18793.5809	-.0116	AA	9	3	6	-	9	2	8	22982.1639	.0031
AE	3	2	2	-	2	1	2	21462.1818	-.0033	AE	10	3	8	-	10	2	8	21844.3783	.0030
EA	3	2	2	-	2	1	2	21462.1818	-.0079	EA	10	3	8	-	10	2	8	21844.3783	.0005
EE	3	2	2	-	2	1	2	21462.1934	-.0008	EE	10	3	8	-	10	2	8	21844.3667	-.0028
AA	3	2	2	-	2	1	2	21462.1934	-.0075	AA	10	3	8	-	10	2	8	21844.3521	-.0103
AE	4	2	3	-	3	1	3	24192.6086	-.0035	AE	10	3	7	-	10	2	9	23115.1416	.0018
EA	4	2	3	-	3	1	3	24192.6086	-.0050	EA	10	3	7	-	10	2	9	23115.1416	.0042
EE	4	2	3	-	3	1	3	24192.6214	.0000	EE	10	3	7	-	10	2	9	23115.1416	.0007
AA	4	2	3	-	3	1	3	24192.6373	.0074	AA	10	3	7	-	10	2	9	23115.1416	-.0016
AE	5	2	4	-	4	1	4	26984.8418	-.0021	AE	11	3	9	-	11	2	9	21485.4669	.0037
EA	5	2	4	-	4	1	4	26984.8418	-.0028	EA	11	3	9	-	11	2	9	21485.4669	.0023
EE	5	2	4	-	4	1	4	26984.8566	.0013	EE	11	3	9	-	11	2	9	21485.4534	-.0005
AA	5	2	4	-	4	1	4	26984.8757	.0093	AA	11	3	9	-	11	2	9	21485.4408	-.0031
AE	4	0	4	-	3	1	2	5212.6031	-.0032	AE	11	3	8	-	11	2	10	23297.2000	-.0033
EA	4	0	4	-	3	1	2	5212.6031	-.0033	EA	11	3	8	-	11	2	10	23297.2000	-.0019
EE	4	0	4	-	3	1	2	5212.6108	-.0006	EE	11	3	8	-	11	2	10	23297.2000	-.0068
AA	4	0	4	-	3	1	2	5212.6202	.0037	AA	11	3	8	-	11	2	10	23297.2000	-.0111
AE	5	0	5	-	4	1	3	7457.5389	-.0018	AE	2	1	2	-	1	1	1	4961.9049	.0012

EA	5	0	5	-	4	1	3	7457.5389	-.0018	EA	2	1	2	-	1	1	1	4961.9049	.0013
EE	5	0	5	-	4	1	3	7457.5457	-.0004	EE	2	1	2	-	1	1	1	4961.9049	-.0017
AA	5	0	5	-	4	1	3	7457.5457	-.0057	AA	2	1	2	-	1	1	1	4961.9049	-.0045
AE	6	0	6	-	5	1	4	9607.3261	.0012	AE	2	0	2	-	1	0	1	5085.2861	.0010
EA	6	0	6	-	5	1	4	9607.3261	.0012	EA	2	0	2	-	1	0	1	5085.2861	.0010
EE	6	0	6	-	5	1	4	9607.3261	-.0038	EE	2	0	2	-	1	0	1	5085.2861	-.0024
AA	6	0	6	-	5	1	4	9607.3261	-.0089	AA	2	0	2	-	1	0	1	5085.2861	-.0059
AE	7	0	7	-	6	1	5	11651.3338	.0017	AE	2	1	1	-	1	1	0	5213.5504	-.0022
EA	7	0	7	-	6	1	5	11651.3338	.0017	EA	2	1	1	-	1	1	0	5213.5504	-.0022
EE	7	0	7	-	6	1	5	11651.3338	-.0025	EE	2	1	1	-	1	1	0	5213.5591	.0025
AA	7	0	7	-	6	1	5	11651.3338	-.0067	AA	2	1	1	-	1	1	0	5213.5591	-.0015
AE	8	0	8	-	7	1	6	13578.7854	.0021	AE	3	1	3	-	2	1	2	7440.9309	-.0033
EA	8	0	8	-	7	1	6	13578.7854	.0021	EA	3	1	3	-	2	1	2	7440.9369	.0027
EE	8	0	8	-	7	1	6	13578.7854	-.0005	EE	3	1	3	-	2	1	2	7440.9369	-.0016
AA	8	0	8	-	7	1	6	13578.7854	-.0030	AA	3	1	3	-	2	1	2	7440.9493	.0064
AE	9	0	9	-	8	1	7	15379.7317	.0006	AE	3	0	3	-	2	0	2	7621.0688	-.0033
EA	9	0	9	-	8	1	7	15379.7317	.0006	EA	3	0	3	-	2	0	2	7621.0688	-.0033
EE	9	0	9	-	8	1	7	15379.7317	.0003	EE	3	0	3	-	2	0	2	7621.0759	-.0013
AA	9	0	9	-	8	1	7	15379.7317	.0000	AA	3	0	3	-	2	0	2	7621.0830	.0007
AE	10	0	10	-	9	1	8	17046.1639	-.0034	AE	3	2	2	-	2	2	1	7630.5183	-.0076
EA	10	0	10	-	9	1	8	17046.1639	-.0034	EA	3	2	2	-	2	2	1	7630.5033	-.0042
EE	10	0	10	-	9	1	8	17046.1639	-.0006	EE	3	2	2	-	2	2	1	7630.5117	-.0056
AA	10	0	10	-	9	1	8	17046.1639	.0021	AA	3	2	2	-	2	2	1	7630.5117	-.0061
AE	11	0	11	-	10	1	9	18573.0711	-.0061	AE	3	2	1	-	2	2	0	7640.9098	.0034
EA	11	0	11	-	10	1	9	18573.0711	-.0061	EA	3	2	1	-	2	2	0	7640.9250	.0002
EE	11	0	11	-	10	1	9	18573.0711	.0003	EE	3	2	1	-	2	2	0	7640.9250	-.0004
AA	11	0	11	-	10	1	9	18573.0572	-.0071	AA	3	2	1	-	2	2	0	7640.9250	-.0103
AE	7	1	6	-	6	2	4	5683.5087	.0038	AE	3	1	2	-	2	1	1	7818.3079	-.0027
EA	7	1	6	-	6	2	4	5683.5087	.0034	EA	3	1	2	-	2	1	1	7818.3079	-.0027
EE	7	1	6	-	6	2	4	5683.5226	-.0005	EE	3	1	2	-	2	1	1	7818.3158	-.0008
AA	7	1	6	-	6	2	4	5683.5226	-.0185	AA	3	1	2	-	2	1	1	7818.3231	.0006
AE	8	1	7	-	7	2	5	8549.2944	.0025	AE	4	1	4	-	3	1	3	9917.7049	-.0024
EA	8	1	7	-	7	2	5	8549.2944	.0023	EA	4	1	4	-	3	1	3	9917.7049	-.0024
EE	8	1	7	-	7	2	5	8549.3114	-.0010	EE	4	1	4	-	3	1	3	9917.7117	-.0013
AA	8	1	7	-	7	2	5	8549.3114	-.0213	AA	4	1	4	-	3	1	3	9917.7188	.0000
AE	9	1	8	-	8	2	6	11394.1297	-.0061	AE	4	0	4	-	3	0	3	10148.6791	-.0023
EA	9	1	8	-	8	2	6	11394.1297	-.0062	EA	4	0	4	-	3	0	3	10148.6791	-.0023
EE	9	1	8	-	8	2	6	11394.1516	-.0065	EE	4	0	4	-	3	0	3	10148.6871	-.0009
AA	9	1	8	-	8	2	6	11394.1700	-.0104	AA	4	0	4	-	3	0	3	10148.6950	.0003

AE	8	1	8	-	7	2	6	4362.7416	.0059	AE	4	2	3	-	3	2	2	10171.3647	.0036
EA	8	1	8	-	7	2	6	4362.7416	.0061	EA	4	2	3	-	3	2	2	10171.3566	-.0014
EE	8	1	8	-	7	2	6	4362.7416	.0022	EE	4	2	3	-	3	2	2	10171.3647	-.0010
AA	8	1	8	-	7	2	6	4362.7416	-.0016	AA	4	2	3	-	3	2	2	10171.3718	.0000
AE	9	1	9	-	8	2	7	6302.9789	.0058	AE	4	2	2	-	3	2	1	10197.3394	-.0029
AE	9	1	9	-	8	2	7	6302.9789	.0058	EA	4	2	2	-	3	2	1	10197.3394	-.0060
EE	9	1	9	-	8	2	7	6302.9789	.0031	EE	4	2	2	-	3	2	1	10197.3516	-.0001
AA	9	1	9	-	8	2	7	6302.9789	.0002	AA	4	2	2	-	3	2	1	10197.3624	.0028
AE	10	1	10	-	9	2	8	8171.0638	.0037	AE	4	1	3	-	3	1	2	10420.5986	-.0019
EA	10	1	10	-	9	2	8	8171.0638	.0038	EA	4	1	3	-	3	1	2	10420.5986	-.0019
EE	10	1	10	-	9	2	8	8171.0638	.0022	EE	4	1	3	-	3	1	2	10420.6079	-.0005
AA	10	1	10	-	9	2	8	8171.0638	.0007	AA	4	1	3	-	3	1	2	10420.6179	.0016
AE	11	1	11	-	10	2	9	9966.7613	-.0019	AE	5	1	5	-	4	1	4	12391.5484	-.0011
EA	11	1	11	-	10	2	9	9966.7613	-.0019	EA	5	1	5	-	4	1	4	12391.5484	-.0011
EE	11	1	11	-	10	2	9	9966.7613	-.0018	EE	5	1	5	-	4	1	4	12391.5566	.0000
AA	11	1	11	-	10	2	9	9966.7613	-.0017	AA	5	1	5	-	4	1	4	12391.5647	.0009
AE	3	2	2	-	4	1	4	4103.5450	.0013	AE	5	0	5	-	4	0	4	12665.5336	-.0013
EA	3	2	2	-	4	1	4	4103.5450	-.0033	EA	5	0	5	-	4	0	4	12665.5336	-.0013
EE	3	2	2	-	4	1	4	4103.5450	.0024	EE	5	0	5	-	4	0	4	12665.5432	.0002
AA	3	2	2	-	4	1	4	4103.5450	.0058	AA	5	0	5	-	4	0	4	12665.5529	.0017
AE	4	3	1	-	5	2	3	9945.4582	-.0014	AE	5	2	4	-	4	2	3	12709.9364	-.0027
EA	4	3	1	-	5	2	3	9945.1850	-.0052	EA	5	2	4	-	4	2	3	12709.9364	-.0018
EE	4	3	1	-	5	2	3	9945.2803	-.0011	EE	5	2	4	-	4	2	3	12709.9471	.0001
AA	4	3	1	-	5	2	3	9945.1622	-.0082	AA	5	2	4	-	4	2	3	12709.9559	.0005
AE	5	3	2	-	6	2	4	7332.6117	-.0438	AE	5	2	3	-	4	2	2	12761.6903	-.0008
EA	5	3	2	-	6	2	4	7332.5268	-.0013	EA	5	2	3	-	4	2	2	12761.6903	-.0017
EE	5	3	2	-	6	2	4	7332.5527	.0019	EE	5	2	3	-	4	2	2	12761.7015	.0007
AA	5	3	2	-	6	2	4	7332.4957	-.0080	AA	5	2	3	-	4	2	2	12761.7137	.0037
AE	4	3	2	-	5	2	4	10035.4501	-.0003	AE	5	1	4	-	4	1	3	13019.5214	-.0009
EA	4	3	2	-	5	2	4	10035.7239	.0041	EA	5	1	4	-	4	1	3	13019.5214	-.0009
EE	4	3	2	-	5	2	4	10035.6106	.0011	EE	5	1	4	-	4	1	3	13019.5338	.0016
AA	4	3	2	-	5	2	4	10035.6985	-.0030	AA	5	1	4	-	4	1	3	13019.5468	.0047
AE	5	3	3	-	6	2	5	7512.1232	.0003	AE	6	1	6	-	5	1	5	14861.8527	-.0001
EA	5	3	3	-	6	2	5	7512.2499	-.0003	EA	6	1	6	-	5	1	5	14861.8527	-.0001
EE	5	3	3	-	6	2	5	7512.2058	.0011	EE	6	1	6	-	5	1	5	14861.8628	.0014
AA	5	3	3	-	6	2	5	7512.2332	.0043	AA	6	1	6	-	5	1	5	14861.8726	.0027
AE	6	3	4	-	7	2	6	5002.4296	.0261	AE	6	0	6	-	5	0	5	15169.3062	-.0003
EA	6	3	4	-	7	2	6	5002.4296	-.0213	EA	6	0	6	-	5	0	5	15169.3062	-.0003
EE	6	3	4	-	7	2	6	5002.4296	.0028	EE	6	0	6	-	5	0	5	15169.3178	.0017

AA	6	3	4	-	7	2	6	5002.4296	.0029	AA	6	0	6	-	5	0	5	15169.3296	.0040
AE	1	1	1	-	1	0	1	4484.7311	-.0006	AE	6	2	5	-	5	2	4	15245.6840	-.0012
EA	1	1	1	-	1	0	1	4484.7311	-.0007	EA	6	2	5	-	5	2	4	15245.6840	-.0009
EE	1	1	1	-	1	0	1	4484.7311	-.0003	EE	6	2	5	-	5	2	4	15245.6962	.0010
AA	1	1	1	-	1	0	1	4484.7311	.0001	AA	6	2	5	-	5	2	4	15245.7099	.0045
AE	2	1	2	-	2	0	2	4361.3501	-.0001	AE	6	4	3	-	5	4	2	15260.1875	.0164
EA	2	1	2	-	2	0	2	4361.3501	-.0002	EA	6	4	3	-	5	4	2	15260.1875	.0228
EE	2	1	2	-	2	0	2	4361.3501	.0007	EE	6	4	3	-	5	4	2	15260.1875	.0061
AA	2	1	2	-	2	0	2	4361.3501	.0016	AA	6	4	3	-	5	4	2	15260.1875	.0020
AE	3	1	3	-	3	0	3	4181.2118	-.0005	AE	6	4	2	-	5	4	1	15260.1875	.0164
EA	3	1	3	-	3	0	3	4181.2118	-.0006	EA	6	4	2	-	5	4	1	15260.1875	.0099
EE	3	1	3	-	3	0	3	4181.2118	.0011	EE	6	4	2	-	5	4	1	15260.1875	.0059
AA	3	1	3	-	3	0	3	4181.2118	.0027	AA	6	4	2	-	5	4	1	15260.1875	-.0109
AE	4	1	4	-	4	0	4	3950.2383	.0000	AE	6	3	4	-	5	3	3	15268.2594	-.0610
EA	4	1	4	-	4	0	4	3950.2383	.0000	EA	6	3	4	-	5	3	3	15268.2594	.0192
EE	4	1	4	-	4	0	4	3950.2383	.0026	EE	6	3	4	-	5	3	3	15268.2761	.0025
AA	4	1	4	-	4	0	4	3950.2383	.0051	AA	6	3	4	-	5	3	3	15268.2594	-.0017
AE	5	1	5	-	5	0	5	3676.2495	-.0034	AE	6	3	3	-	5	3	2	15270.1076	.0693
EA	5	1	5	-	5	0	5	3676.2495	-.0034	EA	6	3	3	-	5	3	2	15270.1294	.0109
EE	5	1	5	-	5	0	5	3676.2495	.0002	EE	6	3	3	-	5	3	2	15270.1076	.0016
AA	5	1	5	-	5	0	5	3676.2495	.0037	AA	6	3	3	-	5	3	2	15270.1294	-.0100
AE	2	2	1	-	2	1	1	13454.1736	.0007	AE	6	2	4	-	5	2	3	15335.5827	.0002
EA	2	2	1	-	2	1	1	13454.1979	.0019	EA	6	2	4	-	5	2	3	15335.5827	-.0001
EE	2	2	1	-	2	1	1	13454.1979	.0089	EE	6	2	4	-	5	2	3	15335.5958	.0021
AA	2	2	1	-	2	1	1	13454.1979	.0043	AA	6	2	4	-	5	2	3	15335.6093	.0045
AE	3	2	2	-	3	1	2	13266.3893	.0011	AE	6	1	5	-	5	1	4	15614.1090	-.0003
EA	3	2	2	-	3	1	2	13266.3893	-.0036	EA	6	1	5	-	5	1	4	15614.1090	-.0003
EE	3	2	2	-	3	1	2	13266.3893	-.0005	EE	6	1	5	-	5	1	4	15614.1231	.0021
AA	3	2	2	-	3	1	2	13266.3893	.0003	AA	6	1	5	-	5	1	4	15614.1371	.0043
AE	4	2	3	-	4	1	3	13017.1501	.0012	AE	7	1	7	-	6	1	6	17328.0881	.0002
EA	4	2	3	-	4	1	3	13017.1501	-.0004	EA	7	1	7	-	6	1	6	17328.0881	.0002
EE	4	2	3	-	4	1	3	13017.1501	.0030	EE	7	1	7	-	6	1	6	17328.1003	.0025
AA	4	2	3	-	4	1	3	13017.1501	.0057	AA	7	1	7	-	6	1	6	17328.1124	.0047
AE	5	2	4	-	5	1	4	12707.5657	.0000	AE	7	0	7	-	6	0	6	17658.1174	.0009
EA	5	2	4	-	5	1	4	12707.5657	-.0007	EA	7	0	7	-	6	0	6	17658.1174	.0009
EE	5	2	4	-	5	1	4	12707.5657	.0038	EE	7	0	7	-	6	0	6	17658.1299	.0025
AA	5	2	4	-	5	1	4	12707.5529	-.0048	AA	7	0	7	-	6	0	6	17658.1423	.0040
AE	6	2	5	-	6	1	5	12339.1414	-.0003	AE	7	2	6	-	6	2	5	17778.0386	-.0011
EA	6	2	5	-	6	1	5	12339.1414	-.0006	EA	7	2	6	-	6	2	5	17778.0386	-.0010

EE	6	2	5	-	6	1	5	12339.1414	.0053	EE	7	2	6	-	6	2	5	17778.0518	.0003
AA	6	2	5	-	6	1	5	12339.1414	.0111	AA	7	2	6	-	6	2	5	17778.0653	.0020
AE	7	2	6	-	7	1	6	11913.8711	-.0001	AE	7	4	4	-	6	4	3	17804.1063	.0036
EA	7	2	6	-	7	1	6	11913.8711	-.0003	EA	7	4	4	-	6	4	3	17804.1063	.0243
AA	7	2	6	-	7	1	6	11913.8585	.0023	EE	7	4	4	-	6	4	3	17804.1063	-.0077
EE	7	2	6	-	7	1	6	11913.8711	.0074	AA	7	4	4	-	6	4	3	17804.1063	.0000
AE	8	2	7	-	8	1	7	11434.3480	.0002	AE	7	4	3	-	6	4	2	17804.1063	.0021
EA	8	2	7	-	8	1	7	11434.3480	.0001	EA	7	4	3	-	6	4	2	17804.1206	-.0043
AA	8	2	7	-	8	1	7	11434.3338	.0049	EE	7	4	3	-	6	4	2	17804.1206	.0034
EE	8	2	7	-	8	1	7	11434.3338	-.0045	AA	7	4	3	-	6	4	2	17804.1206	-.0286
AE	9	2	8	-	9	1	8	10903.8911	.0032	AE	7	3	5	-	6	3	4	17814.8670	.0055
EA	9	2	8	-	9	1	8	10903.8911	.0031	EA	7	3	5	-	6	3	4	17814.8537	.0205
EE	9	2	8	-	9	1	8	10903.8719	-.0045	EE	7	3	5	-	6	3	4	17814.8537	.0011
AA	9	2	8	-	9	1	8	10903.8566	-.0082	AA	7	3	5	-	6	3	4	17814.8537	-.0039
AE	10	2	9	-	10	1	9	10326.6503	-.0157	AE	7	3	4	-	6	3	3	17819.0572	.0359
EA	10	2	9	-	10	1	9	10326.6503	-.0158	EA	7	3	4	-	6	3	3	17819.0572	.0077
EE	10	2	9	-	10	1	9	10326.6503	-.0020	EE	7	3	4	-	6	3	3	17819.0572	.0026
AA	10	2	9	-	10	1	9	10326.6503	.0118	AA	7	3	4	-	6	3	3	17819.0572	-.0169
AE	11	2	10	-	11	1	10	9707.8555	.0044	AE	7	2	5	-	6	2	4	17920.1882	.0010
EA	11	2	10	-	11	1	10	9707.8555	.0043	EA	7	2	5	-	6	2	4	17920.1882	.0008
EE	11	2	10	-	11	1	10	9707.8373	.0021	EE	7	2	5	-	6	2	4	17920.2030	.0026
AA	11	2	10	-	11	1	10	9707.8373	.0181	AA	7	2	5	-	6	2	4	17920.2188	.0052
AE	2	2	0	-	2	1	2	13834.3085	-.0035	AE	7	1	6	-	6	1	5	18203.3091	-.0011
EA	2	2	0	-	2	1	2	13834.2903	.0014	EA	7	1	6	-	6	1	5	18203.3091	-.0011
EE	2	2	0	-	2	1	2	13834.2903	-.0049	EE	7	1	6	-	6	1	5	18203.3262	.0024
AA	2	2	0	-	2	1	2	13834.2903	.0005	AA	7	1	6	-	6	1	5	18203.3421	.0046
AE	3	2	1	-	3	1	3	14034.2838	-.0004	AE	8	1	8	-	7	1	7	19789.8136	-.0008
EA	3	2	1	-	3	1	3	14034.2838	.0043	EA	8	1	8	-	7	1	7	19789.8136	-.0008
EE	3	2	1	-	3	1	3	14034.2838	.0018	EE	8	1	8	-	7	1	7	19789.8277	.0021
AA	3	2	1	-	3	1	3	14034.2838	.0016	AA	8	1	8	-	7	1	7	19789.8406	.0037
AE	4	2	2	-	4	1	4	14313.9223	.0031	AE	8	0	8	-	7	0	7	20130.7615	.0002
EA	4	2	2	-	4	1	4	14313.9223	.0047	EA	8	0	8	-	7	0	7	20130.7615	.0002
EE	4	2	2	-	4	1	4	14313.9223	.0016	EE	8	0	8	-	7	0	7	20130.7754	.0020
AA	4	2	2	-	4	1	4	14313.9223	-.0007	AA	8	0	8	-	7	0	7	20130.7889	.0034
AE	5	2	3	-	5	1	5	14684.0677	.0069	AE	8	2	7	-	7	2	6	20306.4461	-.0047
EA	5	2	3	-	5	1	5	14684.0677	.0076	EA	8	2	7	-	7	2	6	20306.4461	-.0047
EE	5	2	3	-	5	1	5	14684.0677	.0029	EE	8	2	7	-	7	2	6	20306.4636	-.0007
AA	5	2	3	-	5	1	5	14684.0677	-.0015	AA	8	2	7	-	7	2	6	20306.4789	.0011
AE	6	2	4	-	6	1	6	15157.7897	-.0008	AE	8	3	6	-	7	3	5	20361.8703	.0052

EA	6	2	4	-	6	1	6	15157.7897	-0.0004	EA	8	3	6	-	7	3	5	20361.8703	.0157
EE	6	2	4	-	6	1	6	15157.8021	.0049	EE	8	3	6	-	7	3	5	20361.8703	-.0009
AA	6	2	4	-	6	1	6	15157.8021	-.0020	AA	8	3	6	-	7	3	5	20361.8834	.0008
AE	7	2	5	-	7	1	7	15749.8891	-.0007	AE	8	3	5	-	7	3	4	20370.2713	.0226
EA	7	2	5	-	7	1	7	15749.8891	-.0005	EA	8	3	5	-	7	3	4	20370.2713	.0121
EE	7	2	5	-	7	1	7	15749.9036	.0038	EE	8	3	5	-	7	3	4	20370.2713	.0006
AA	7	2	5	-	7	1	7	15749.9036	-.0063	AA	8	3	5	-	7	3	4	20370.2713	-.0162
AE	8	2	6	-	8	1	8	16476.0648	-.0042	AE	8	2	6	-	7	2	5	20515.9919	-.0016
EA	8	2	6	-	8	1	8	16476.0648	-.0041	EA	8	2	6	-	7	2	5	20515.9919	-.0017
EE	8	2	6	-	8	1	8	16476.0838	.0007	EE	8	2	6	-	7	2	5	20516.0095	.0006
AA	8	2	6	-	8	1	8	16476.0838	-.0134	AA	8	2	6	-	7	2	5	20516.0275	.0034
AE	9	2	7	-	9	1	9	17351.9693	-.0070	AE	8	1	7	-	7	1	6	20785.9719	-.0023
EA	9	2	7	-	9	1	9	17351.9693	-.0069	EA	8	1	7	-	7	1	6	20785.9719	-.0023
EE	9	2	7	-	9	1	9	17351.9919	-.0034	EE	8	1	7	-	7	1	6	20785.9896	-.0001
AA	9	2	7	-	9	1	9	17351.9919	-.0225	AA	8	1	7	-	7	1	6	20786.0074	.0023
AE	10	2	8	-	10	1	10	18392.0987	.0081										
EA	10	2	8	-	10	1	10	18392.0987	.0081										
EE	10	2	8	-	10	1	10	18392.0987	-.0169										
AA	10	2	8	-	10	1	10	18392.0987	-.0419										
AE	3	3	1	-	3	2	1	22726.8226	-.0014										
AE	3	3	0	-	3	2	1	22727.5638	.0000										
EA	3	3	1	-	3	2	1	22727.1808	-.0009										
EE	3	3	1	-	3	2	1	22727.0174	.0063										
EE	3	3	0	-	3	2	1	22727.3902	.0080										
AA	3	3	1	-	3	2	1	22727.1808	.0005										
AE	3	3	0	-	3	2	2	22740.5975	.0005										
AE	3	3	1	-	3	2	2	22739.8564	-.0009										
EA	3	3	0	-	3	2	2	22740.2388	-.0005										
EE	3	3	0	-	3	2	2	22740.4160	.0074										
EE	3	3	1	-	3	2	2	22740.0446	.0071										
AA	3	3	0	-	3	2	2	22740.2388	.0007										

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<sup>a</sup> We assumed the weight = 0 for the observed frequencies with larger discrepancy, 0.150 MHz.