L.

H = 0 km

Statistics Summary:

T	[°C]	6.70(24)	29.70(35)	52.40(08)
P	[torr] [kPa]	**759.80(19)**	**759.90(21)** 101.30	**759.70(35)**
$\sigma_x(\Delta\alpha)$	[dB/km]	0.314	0.381	0.434

H = 0.0 km

6.7°C		29.7°C		52.4°C	
f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$
	dB/km		dB/km		dB/km
53.88093	1.94(.03)	53.88202	1.71(.03)	53.88298	1.57(.03)
759.9	2.05(0.11)	760.0	1.84(0.13)	759.8	1.69(0.12)
53.97964	2.21(.02)	53.98071	1.73(.02)	53.98169	1.85(.03)
759.8	2.18(-0.03)	759.8	1.97(0.24)	759.3	1.80(-0.05)
54.07821	2.44(.02)	54.07935	2.09(.02)	54.08023	2.11(.03)
759.9	2.33(-0.11)	759.8	2.10(0.01)	760.1	1.93(-0.18)
54.17692	2.56(.03)	54.17826	2.12(.03)	54.17894	1.81(.03)
759.9	2.48(-0.08)	759.8	2.24(0.12)	759.9	2.06(0.25)
54.27554	2.48(.02)	54.27660	2.39(.03)	54.27756	2.42(.04)
759.6	2.64(0.16)	759.6	2.39(0.00)	760.0	2.19(-0.23)
54.37293	2.74(.02)	54.37414	2.55(.03)	54.37623	2.50(.03)
759.6	2.82(0.08)	759.6	2.55(0.00)	759.6	2.34(-0.16)
54.41448	3.43(.03)	54.41647	2.77(.03)	54.41839	2.13(.04)
759.6	2.89(-0.54)	759.8	2.62(-0.15)	759.6	2.40(0.27)
54.51556	3.39(.03)	54.51771	3.09(.02)	54.51865	2.81(.03)
759.8	3.08(-0.31)	760.0	2.79(-0.30)	759.2	2.56(-0.25)
54.61648	3.09(.03)	54.61759	3.19(.03)	54.61858	2.48(.04)
759.9	3.28(0.19)	760.0	2.97(-0.22)	759.8	2.72(0.24)
54.71655	3.48(.02)	54.71764	2.92(.03)	54.71864	2.91(.04)
759.7	3.49(0.01)	759.9	3.16(0.24)	760.4	2.90(-0.01)
54.81646	3.60(.04)	54.81762	3.47(.03)	54.81853	3.06(.04)
760.0	3.72(0.12)	759.8	3.36(-0.11)	760.1	3.07(0.01)
54.91653	3.78(.04)	54.91789	3.39(.04)	54.91857	3.67(.05)
760.0	3.95(0.17)	759.8	3.57(0.18)	759.9	3.26(-0.41)
55.01651	4.00(.04)	55.01757	3.94(.05)	55.01855	3.42(.05)
759.6	4.19(0.19)	759.6	3.78(-0.16)	760.0	3.45(0.03)
55.11522	5.25(.04)	55.11645	3.97(.04)	55.11858	3.49(.04)
759.5	4.44(-0.81)	759.6	4.01(0.04)	759.5	3.65(0.16)
55.14732	4.78(.04)	55.14934	3.97(.04)	55.15129	3.94(.06)
759.4	4.53(-0.25)	759.7	4.08(0.11)	759.6	3.72(-0.22)
55.24976	4.91(.05)	55.25194	4.67(.04)	55.25290	4.26(.04)
759.8	4.80(-0.11)	760.0	4.32(-0.35)	758.9	3.94(-0.32)
55.35204	4.94(.04)	55.35317	5.15(.04)	55.35417	4.23(.06)
759.9	5.08(0.14)	760.0	4.57(-0.58)	759.7	4.15(-0.08)
55.45346	5.49(.04)	55.45457	4.74(.04)	55.45559	4.62(.05)
760.1	5.37(-0.12)	759.8	4.83(0.09)	759.9	4.38(-0.24)
55.55473	6.03(.04)	55.55591	5.20(.04)	55.55682	4.75(.05)
760.0	5.68(-0.35)	759.8	5.09(-0.11)	760.1	4.61(-0.14)

H = 0.0 km

6.7°C		29.7°C		52.4°C	
f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$
	dB/km		dB/km		dB/km
55.65614	6.08(.05)	55.65752	5.25(.05)	55.65822	5.27(.05)
760.0	5.99(-0.09)	759.7	5.36(0.11)	759.9	4.85(-0.42)
55.75747	6.36(.05)	55.75855	6.17(.05)	55.75955	4.97(.04)
759.6	6.30(-0.06)	759.7	5.64(-0.53)	760.0	5.09(0.12)
55.85752	7.21(.05)	55.85865	6.12(.04)	55.86092	5.23(.05)
759.5	6.62(-0.59)	759.7	5.91(-0.21)	759.5	5.33(0.10)
55.88015	7.25(.06)	55.88221	6.32(.04)	55.88417	5.71(.05)
759.5	6.70(-0.55)	759.8	5.98(-0.34)	759.6	5.39(-0.32)
55.98396	7.11(.04)	55.98617	6.57(.03)	55.98714	5.71(.06)
759.8	7.04(-0.07)	760.0	6.27(-0.30)	759.0	5.64(-0.07)
56.08761	7.59(.05)	56.08874	7.20(.05)	56.08977	6.12(.05)
759.9	7.38(-0.21)	760.1	6.56(-0.64)	759.8	5.89(-0.23)
56.19037	8.29(.04)	56.19151	7.05(.06)	56.19252	6.22(.07)
759.8	7.72(-0.57)	759.9	6.86(-0.19)	759.0	6.14(-0.08)
56.29298	8.28(.05)	56.29418	7.30(.05)	56.29511	6.48(.05)
760.0	8.07(-0.21)	759.8	7.15(-0.15)	760.0	6.39(-0.09)
56.39576	8.58(.07)	56.39716	7.92(.06)	56.39787	6.55(.05)
760.0	8.42(-0.16)	759.8	7.45(-0.47)	759.9	6.64(0.09)
56.49843	8.74(.07)	56.49954	8.03(.06)	56.50054	6.89(.06)
759.6	8.76(0.02)	759.6	7.74(-0.29)	760.0	6.88(-0.01)
56.61300	9.47(.05)	56.61507	8.63(.05)	56.61707	7.17(.07)
759.7	9.15(-0.32)	759.7	8.06(-0.57)	759.6	7.15(-0.02)
56.71817	9.84(.06)	56.72041	8.51(.06)	56.72140	7.54(.06)
759.8	9.50(-0.34)	759.9	8.35(-0.16)	758.9	7.39(-0.15)
56.82318	9.64(.07)	56.82434	9.07(.06)	56.82534	7.71(.09)
759.9	9.84(0.20)	760.0	8.63(-0.44)	759.8	7.62(-0.09)
56.92730	10.25(.09)	56.92844	8.33(.05)	56.92947	7.76(.08)
760.1	10.18(-0.07)	759.9	8.90(0.57)	759.0	7.85(0.09)
57.03127	10.80(.08)	57.03248	9.16(.08)	57.03342	8.27(.06)
760.0	10.51(-0.29)	759.8	9.17(0.01)	760.1	8.07(-0.20)
57.13538	10.62(.08)	57.13681	9.59(.06)	57.13750	8.22(.06)
760.0	10.83(0.21)	759.8	9.43(-0.16)	759.9	8.28(0.06)
57.23942	11.08(.08)	57.24053	9.84(.09)	57.24155	8.06(.05)
759.6	11.15(0.07)	759.6	9.69(-0.15)	760.0	8.48(0.42)
57.34585	11.85(.09)	57.34341	9.79(.06)	57.34998	8.57(.07)
759.6	11.46(-0.39)	759.6	9.93(0.14)	759.6	8.69(0.12)
57.45239	11.55(.08)	57.45467	10.13(.08)	57.45567	8.56(.12)
759.8	11.77(0.22)	760.0	10.18(0.05)	760.2	8.88(0.32)

H = 0.0 km

6.7°C		29.7°C		52.4°C	
f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$
	dB/km		dB/km		dB/km
57.55877	12.08(.09)	57.55994	10.60(.09)	57.56098	9.32(.11)
759.9	12.06(-0.02)	760.0	10.41(-0.19)	759.7	9.06(-0.26)
57.66424	12.77(.09)	57.66541	9.94(.07)	57.66647	8.83(.10)
759.8	12.35(-0.42)	759.9	10.63(0.69)	759.2	9.24(0.41)
57.76955	13.26(.13)	57.77079	10.84(.11)	57.77175	8.40(.09)
760.0	12.62(-0.64)	759.8	10.85(0.01)	760.1	9.41(1.01)
57.87504	13.16(.10)	57.87648	10.97(.08)	57.87725	9.65(.08)
760.0	12.89(-0.27)	759.7	11.06(0.09)	759.9	9.57(-0.08)
57.98043	13.29(.08)	57.98155	11.12(.07)	57.98259	9.33(.07)
759.6	13.14(-0.15)	759.6	11.26(0.14)	760.0	9.72(0.39)
58.08361	13.49(.05)	58.08086	11.49(.06)	58.08671	9.32(.06)
760.3	13.39(-0.10)	759.7	11.44(-0.05)	760.1	9.87(0.55)
58.17257	13.61(.08)	58.18893	11.51(.09)	58.17680	9.77(.04)
759.8	13.59(-0.02)	759.9	11.62(0.11)	760.0	9.99(0.22)
58.27888	13.63(.08)	58.29556	11.47(.07)	58.29659	9.54(.09)
759.8	13.81(0.18)	760.0	11.80(0.33)	759.8	10.15(0.61)
58.36207	13.95(.06)	58.36390	11.48(.04)	58.36509	9.82(.05)
760.1	13.98(0.03)	759.9	11.90(0.42)	759.8	10.23(0.41)
58.40118	14.17(.07)	58.40234	11.47(.07)	58.40340	9.67(.07)
759.8	14.06(-0.11)	759.9	11.96(0.49)	759.3	10.27(0.60)
58.45518	14.03(.06)	58.45667	11.44(.06)	58.45789	9.70(.04)
759.9	14.16(0.13)	759.7	12.04(0.60)	760.0	10.33(0.63)
58.50784	13.70(.07)	58.50908	11.88(.06)	58.51006	9.62(.07)
760.0	14.26(0.56)	759.8	12.11(0.23)	760.1	10.38(0.76)
58.54771	14.13(.05)	58.54914	11.80(.03)	58.55060	9.42(.03)
759.6	14.33(0.20)	759.7	12.16(0.36)	760.1	10.42(1.00)
58.61466	14.24(.05)	58.61611	11.76(.06)	58.61686	9.80(.05)
760.0	14.45(0.21)	759.8	12.25(0.49)	759.9	10.49(0.69)
58.72138	14.45(.09)	58.72252	11.19(.06)	58.72356	9.81(.05)
759.6	14.62(0.17)	759.6	12.38(1.19)	760.0	10.58(0.77)
58.82675	14.68(.06)	58.82807	12.09(.04)	58.81578	9.83(.06)
759.6	14.79(0.11)	759.6	12.50(0.41)	759.6	10.66(0.83)
58.90662	14.71(.05)	58.90988	12.25(.03)		
759.7	14.90(0.19)	760.2	12.59(0.34)		
59.01428	14.32(.05)	59.01564	12.20(.03)	59.03218	10.27(.07)
759.8	15.06(0.74)	760.1	12.70(0.50)	759.8	10.83(0.56)
59.09850	14.09(.04)	59.13926	12.39(.05)	59.14034	9.95(.05)
760.1	15.17(1.08)	759.9	12.83(0.44)	759.6	10.91(0.96)

H = 0.0 km

6.7°C		29.7°C		52.4°C	
f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$
	dB/km		dB/km		dB/km
59.19279	14.81(.04)	59.19428	12.39(.04)	59.19554	10.64(.03)
760.1	15.30(0.49)	759.6	12.88(0.49)	759.8	10.96(0.32)
59.24607	15.04(.08)	59.24733	11.93(.05)	59.24831	9.98(.06)
760.0	15.37(0.33)	759.8	12.94(1.01)	760.1	11.00(1.02)
59.28649	15.19(.05)	59.28794	12.29(.02)	59.28941	10.05(.03)
759.5	15.42(0.23)	759.6	12.98(0.69)	760.0	11.03(0.98)
59.35426	15.04(.06)	59.35574	12.18(.05)	59.35646	10.29(.06)
760.0	15.51(0.47)	759.8	13.05(0.87)	759.9	11.09(0.80)
59.38229	15.08(.04)	59.38350	12.89(.02)	59.38516	10.12(.02)
759.9	15.55(0.47)	759.7	13.08(0.19)	759.9	11.11(0.99)
59.46232	15.25(.06)	59.46347	12.15(.05)	59.46453	10.42(.06)
759.6	15.65(0.40)	759.6	13.16(1.01)	760.0	11.18(0.76)
59.54941	15.63(.04)	59.55196	12.58(.01)	59.55260	10.33(.02)
760.3	15.77(0.14)	760.2	13.26(0.68)	760.0	11.26(0.93)
59.56902	15.81(.06)	59.57023	12.46(.05)	59.57264	10.39(.05)
759.7	15.79(-0.02)	759.9	13.28(0.82)	759.5	11.27(0.88)
59.64063	15.01(.04)	59.65734	12.45(.06)	59.65836	10.47(.08)
759.7	15.88(0.87)	759.9	13.37(0.92)	759.3	11.35(0.88)
59.74966	15.99(.04)	59.75102	13.11(.03)	59.75228	11.02(.02)
759.8	16.02(0.03)	760.3	13.47(0.36)	759.9	11.44(0.42)
59.83492	15.60(.03)	59.83680	13.11(.02)	59.83804	10.42(.03)
760.2	16.12(0.52)	760.1	13.56(0.45)	759.8	11.52(1.10)
59.93040	16.03(.03)	59.93192	12.78(.02)	59.93318	10.74(.02)
760.1	16.23(0.20)	759.5	13.66(0.88)	759.8	11.61(0.87)
60.02528	16.08(.03)	60.02674	13.04(.02)	60.02822	10.66(.02)
759.5	16.33(0.25)	759.6	13.75(0.71)	760.1	11.69(1.03)
60.12228	16.32(.04)	60.12349	12.80(.02)	60.12517	11.07(.02)
759.8	16.42(0.10)	759.7	13.83(1.03)	759.9	11.77(0.70)
60.20327	15.46(.17)			60.20550	10.22(.15)
759.7	16.48(1.02)			760.0	11.83(1.61)
60.28234	16.21(.03)	60.28491	13.42(.02)	60.28556	11.21(.02)
760.2	13.95(0.53)	760.2	16.54(0.33)	760.0	11.88(0.67)
60.31134	16.54(.17)	60.31267	13.44(.15)	60.31501	10.91(.15)
759.5	16.55(0.01)	759.6	13.96(0.52)	759.5	11.90(0.99)
60.37468	16.26(.03)	60.37803	13.16(.02)	60.37907	10.85(.01)
759.7	16.59(0.33)	760.3	14.00(0.84)	760.1	11.93(1.08)
60.48505	16.48(.02)	60.48644	13.41(.02)	60.48771	11.15(.02)
759.8	16.62(0.14)	760.4	14.04(0.63)	759.9	11.98(0.83)

H = 0.0 km

6.7°C		29.7°C		52.4°C	
f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$
	dB/km		dB/km		dB/km
60.57137	16.53(.03)	60.57326	13.48(.01)	60.57450	10.72(.02)
760.3	16.63(0.10)	760.2	14.06(0.58)	759.7	12.00(1.28)
60.66801	16.31(.03)	60.66955	13.71(.02)	60.67083	11.25(.01)
760.2	16.63(0.32)	759.5	14.06(0.35)	759.8	12.01(0.76)
60.76407	16.36(.03)	60.76554	13.31(.01)	60.76704	10.96(.01)
759.4	16.61(0.25)	759.6	14.06(0.75)	760.0	12.02(1.06)
60.86226	16.30(.02)	60.86348	13.41(.01)	60.86518	11.16(.01)
759.7	16.57(0.27)	759.7	14.04(0.63)	759.9	12.01(0.85)
61.01526	16.09(.02)	61.01787	13.54(.02)	61.01852	11.42(.01)
760.1	16.47(0.38)	760.4	13.98(0.44)	760.0	11.98(0.56)
61.10872	16.46(.05)	61.11213	13.64(.03)	61.11312	11.46(.03)
759.8	16.40(-0.06)	759.9	13.93(0.29)	760.1	11.95(0.49)
61.22038	16.31(.04)	61.22184	13.67(.02)	61.22312	11.42(.02)
759.9	16.29(-0.02)	759.9	13.86(0.19)	760.1	11.91(0.49)
61.30779	16.54(.04)	61.30973	13.28(.01)	61.31095	11.44(.02)
760.0	16.19(-0.35)	760.2	13.80(0.52)	760.0	11.86(0.42)
61.40565	16.20(.03)	61.40717	13.16(.02)	61.40846	11.25(.02)
759.7	16.07(-0.13)	759.8	13.71(0.55)	760.0	11.81(0.56)
61.50285	15.84(.01)	61.50434	13.16(.03)	61.50582	11.23(.02)
759.4	15.93(0.09)	759.8	13.62(0.46)	760.2	11.75(0.52)
61.60223	15.60(.03)	61.60346	13.20(.03)	61.60519	11.33(.02)
760.0	15.77(0.17)	759.8	13.51(0.31)	760.1	11.67(0.34)
61.74821	15.65(.02)	61.75080	13.26(.03)	61.75144	11.04(.02)
760.1	15.51(-0.14)	760.1	13.32(0.06)	760.2	11.54(0.50)
61.84276	15.65(.02)	61.84620	12.75(.02)	61.84722	11.37(.02)
759.9	15.31(-0.34)	760.0	13.17(0.42)	760.1	11.44(0.07)
61.95577	15.16(.03)	61.95724	13.16(.01)	61.95854	11.20(.01)
759.9	15.05(-0.11)	760.0	12.98(-0.18)	760.0	11.30(0.10)
62.04422	15.22(.02)	62.04619	13.06(.01)	62.04743	10.79(.01)
760.2	14.82(-0.40)	760.1	12.81(-0.25)	760.0	11.17(0.38)
62.14326	14.92(.01)	62.14481	12.32(.01)	62.14611	10.76(.02)
759.8	14.55(-0.37)	759.7	12.60(0.28)	760.0	11.00(0.24)
62.24163	14.39(.03)	62.24316	12.84(.03)	62.24465	10.60(.01)
759.6	14.25(-0.14)	759.7	12.36(-0.48)	760.2	10.82(0.22)
62.34222	13.80(.02)	62.34346	11.95(.02)	62.34521	10.32(.01)
759.9	13.91(0.11)	759.7	12.09(0.14)	760.1	10.61(0.29)
62.48113	13.37(.01)	62.48374	11.74(.02)	62.48440	10.18(.01)
760.1	13.41(0.04)	760.2	11.68(-0.06)	760.2	10.27(0.09)

H = 0.0 km

6.7°C		29.7°C		52.4°C	
f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$
	dB/km		dB/km		dB/km
62.57680	13.05(.01)	62.58029	11.63(.02)	62.58132	9.59(.01)
760.1	13.04(-0.01)	760.1	11.37(-0.26)	760.1	10.02(0.43)
62.69115	12.82(.02)	62.69265	10.48(.01)	62.69397	9.54(.01)
760.1	12.57(-0.25)	760.1	10.99(0.51)	760.0	9.70(0.16)
62.78065	12.17(.01)	62.78265	10.43(.01)	62.78391	9.12(.01)
760.3	12.19(0.02)	760.1	10.67(0.24)	759.9	9.43(0.31)
62.88087	11.81(.01)	62.88244	10.15(.01)	62.88375	9.37(.01)
759.9	11.75(-0.06)	759.7	10.30(0.15)	760.0	9.12(-0.25)
62.98042	11.45(.01)	62.98195	9.79(.01)	62.98347	8.73(.01)
759.6	11.31(-0.14)	759.7	9.93(0.14)	760.1	8.80(0.07)
63.08220	11.02(.01)	63.08346	9.43(.01)	63.08522	8.58(.01)
759.8	10.85(-0.17)	759.7	9.54(0.11)	760.1	8.47(-0.11)
63.21404	9.95(.01)	63.21669	8.90(.01)	63.21735	8.00(.01)
760.1	10.25(0.30)	760.3	9.03(0.13)	760.1	8.03(0.03)
63.31083	9.49(.01)	63.31436	8.52(.01)	63.31541	7.99(.01)
760.0	9.82(0.33)	760.2	8.65(0.13)	760.0	7.71(-0.28)
63.42653	9.02(.01)	63.42804	8.07(.01)	63.42938	7.21(.01)
760.1	9.31(0.29)	760.2	8.22(0.15)	760.0	7.34(0.13)
63.51708	8.70(.01)	63.51910	7.87(.01)	63.52038	6.98(.01)
760.6	8.91(0.21)	760.2	7.88(0.01)	759.9	7.04(0.06)
63.61848	8.47(.01)	63.62008	7.29(.01)	63.62140	6.58(.01)
759.9	8.48(0.01)	759.7	7.51(0.22)	759.9	6.73(0.15)
63.71920	7.59(.01)	63.72075	7.08(.01)	63.72229	6.26(.01)
759.6	8.06(0.47)	759.7	7.15(0.07)	760.1	6.41(0.15)
63.82217	7.14(.01)	63.82345	6.46(.01)	63.82523	6.04(.01)
759.8	7.64(0.50)	759.7	6.79(0.33)	760.1	6.10(0.06)
63.94695	6.67(.02)	63.94962	6.27(.01)	63.95030	5.65(.01)
760.1	7.16(0.49)	760.5	6.37(0.10)	760.2	5.74(0.09)
64.04486	6.53(.01)	64.04843	6.28(.01)	64.04950	5.34(.01)
760.1	6.79(0.26)	760.3	6.04(-0.24)	760.1	5.46(0.12)
64.16190	6.11(.01)	64.16344	5.36(.02)	64.16476	5.22(.02)
760.2	6.37(0.26)	760.2	5.68(0.32)	760.1	5.14(-0.08)
64.25349	5.79(.01)	64.25555	5.16(.01)	64.25682	5.04(.01)
760.8	6.05(0.26)	760.3	5.40(0.24)	760.1	4.89(-0.15)
64.35608	5.67(.01)	64.35765	5.34(.01)	64.35902	4.75(.01)
760.0	5.71(0.04)	759.8	5.11(-0.23)	759.9	4.63(-0.12)
64.45793	5.39(.02)	64.45953	5.08(.01)	64.46107	4.57(.01)
759.7	5.38(-0.01)	759.9	4.82(-0.26)	760.1	4.38(-0.19)

H = 0.0 km

6.7°C		29.7°C		52.4°C	
f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$	f_x [GHz] P [torr]	$\alpha_x(\delta\alpha)$ $\alpha_M(\pm\Delta\alpha)$
	dB/km		dB/km		dB/km
64.56211	4.94(.01)	64.56342	4.88(.01)	64.56524	4.01(.01)
759.8	5.07(0.13)	759.7	4.54(-0.34)	760.1	4.13(0.12)
64.68047	4.67(.02)	64.68255	4.36(.01)	64.68319	4.62(.09)
759.6	4.73(0.06)	759.9	4.24(-0.12)	760.0	3.86(-0.76)
64.77893	4.17(.01)	64.78252	3.98(.01)	64.78352	3.75(.01)
759.6	4.46(0.29)	759.8	3.99(0.01)	759.9	3.64(-0.11)
64.89726	3.89(.01)	64.89879	3.70(.00)	64.90016	3.69(.02)
760.0	4.15(0.26)	760.0	3.72(0.02)	760.1	3.40(-0.29)
64.98999	3.81(.01)	64.99200	3.45(.01)	64.99328	3.27(.01)
759.6	3.92(0.11)	759.9	3.51(0.06)	760.0	3.21(-0.06)
65.09367	3.45(.00)	65.09527	2.98(.01)	65.09666	3.16(.01)
759.9	3.68(0.23)	759.8	3.30(0.32)	759.9	3.01(-0.15)
65.19670	3.58(.01)	65.19832	2.83(.01)	65.19987	2.73(.01)
759.6	3.45(-0.13)	759.8	3.09(0.26)	760.0	2.82(0.09)
65.30208	2.86(.01)	65.30340	2.77(.01)	65.30522	2.48(.01)
759.8	3.23(0.37)	759.7	2.89(0.12)	760.1	2.64(0.16)
65.41338	2.77(.01)	65.41547	2.80(.01)	65.41613	2.74(.02)
759.6	3.02(0.25)	759.9	2.69(-0.11)	759.9	2.46(-0.28)
65.51295	2.90(.01)	65.51658	2.20(.01)	65.51760	2.49(.01)
759.5	2.83(-0.07)	759.8	2.52(0.32)	760.0	2.30(-0.19)
65.63262	2.38(.01)	65.63418	2.17(.01)	65.63557	2.17(.01)
760.0	2.63(0.25)	760.0	2.34(0.17)	760.0	2.13(-0.04)
65.72641	2.30(.01)	65.72845	2.00(.01)	65.72974	1.61(.01)
759.6	2.48(0.18)	759.9	2.20(0.20)	760.0	2.00(0.39)
65.83128	1.75(.01)	65.83289	1.77(.01)	65.83430	1.72(.01)
759.9	2.32(0.57)	759.9	2.05(0.28)	759.8	1.87(0.15)
65.93547	1.82(.01)	65.93710	1.64(.01)	65.93869	1.28(.01)
759.6	2.18(0.36)	759.8	1.92(0.28)	760.0	1.74(0.46)
66.04204	1.39(.01)	66.04338	1.33(.01)	66.04523	1.24(.01)
759.8	2.04(0.65)	759.6	1.79(0.46)	760.0	1.62(0.38)
66.14628	1.62(.01)	66.14841	1.53(.01)	66.14907	1.42(.01)
759.5	1.91(0.29)	760.0	1.67(0.14)	760.0	1.51(0.09)
66.24697	1.61(.01)	66.25065	0.97(.01)	66.25169	1.13(.01)
759.5	1.80(0.19)	759.9	1.56(0.59)	760.0	1.41(0.28)

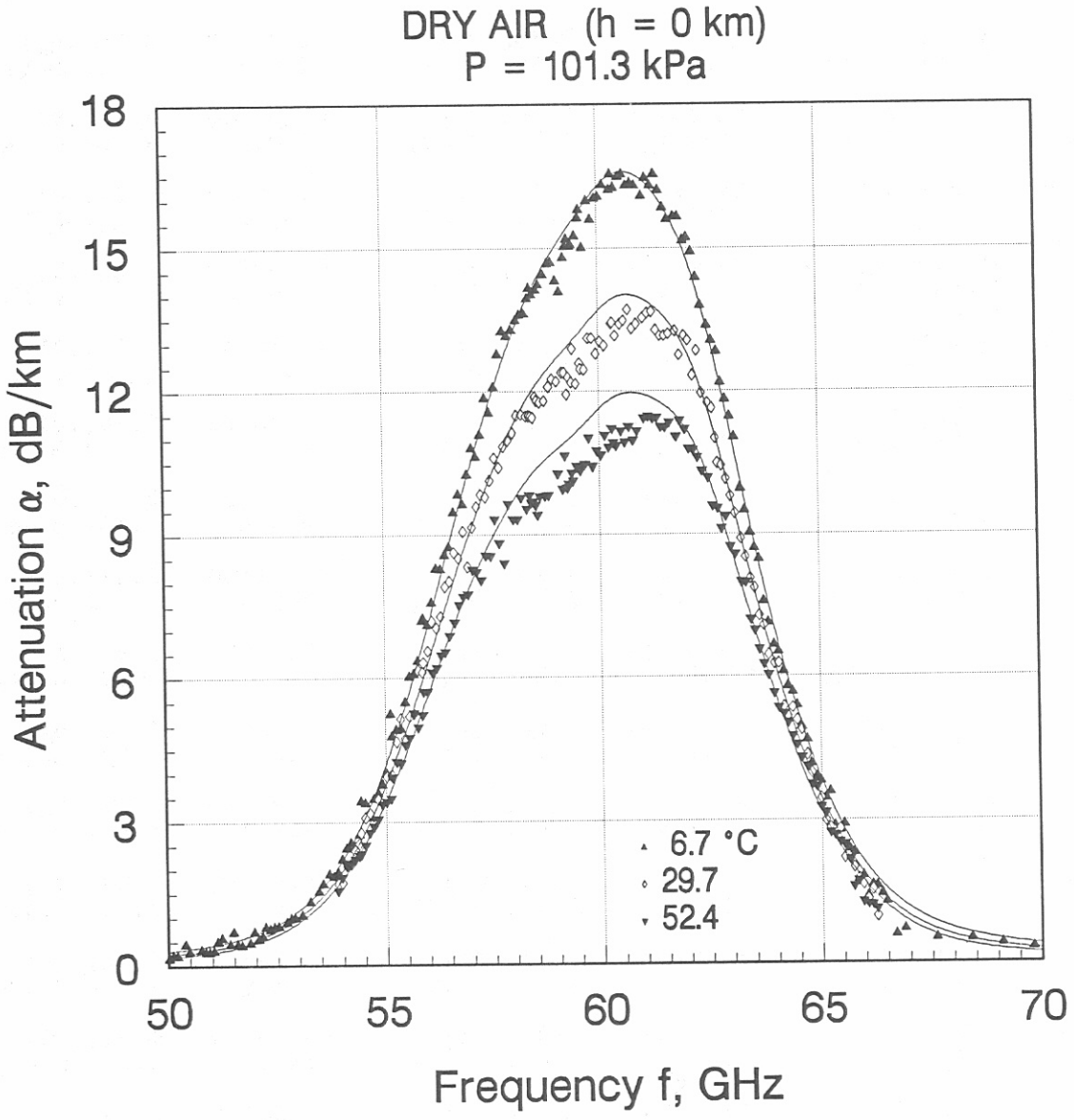

Figure A-11a. Predicted and measured attenuation rates of dry air, α_M and α_x, at H = 0 km (see L.) for frequencies between 50 and 70 GHz.

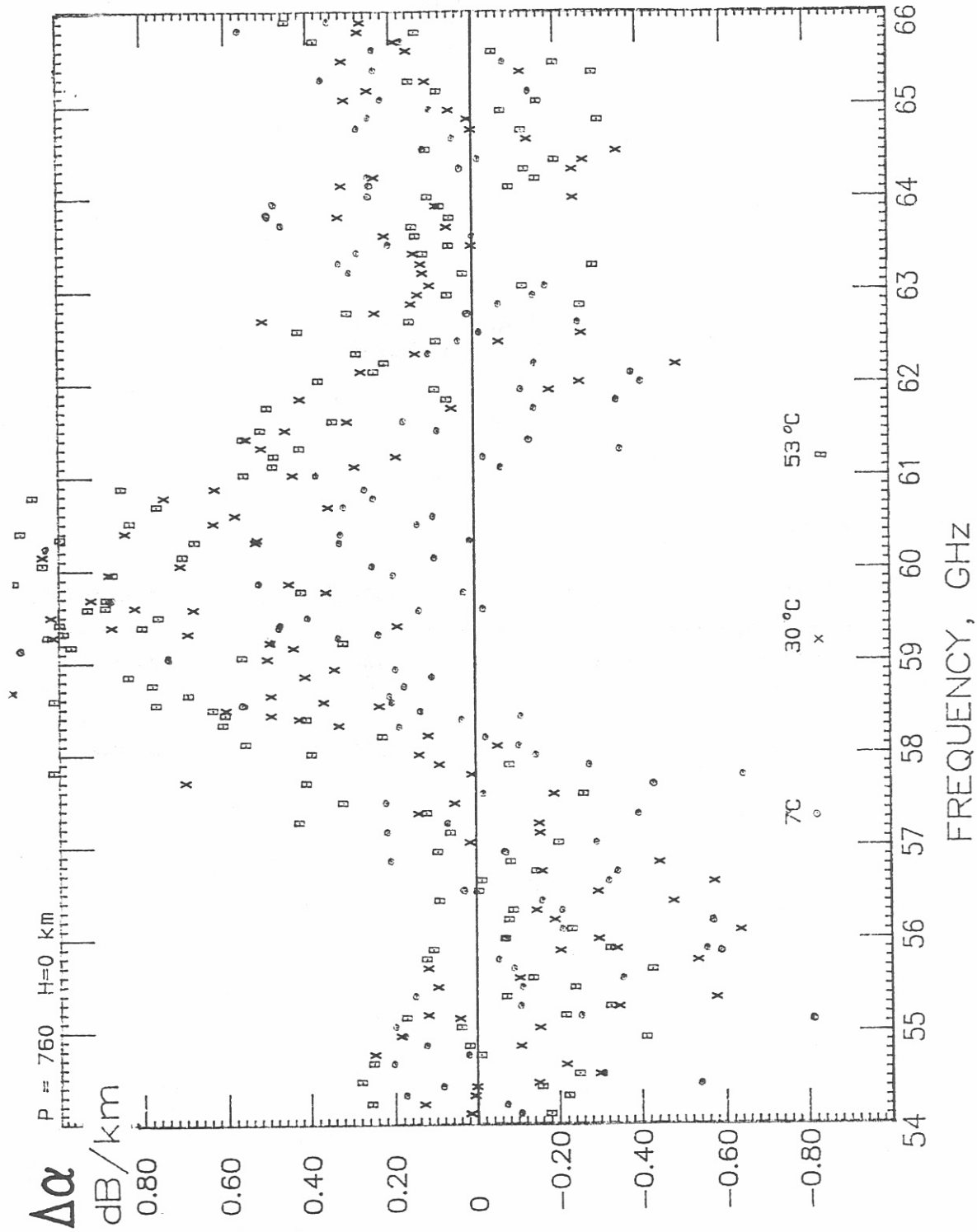

Figure A-11b. Differences $\Delta\alpha = \alpha_M - \alpha_x$ between predicted and measured attenuation for the results listed under L.