

Mechanism	Run	Difference in O3 Mixing Ratios	Maximum O3 Speciation	Least O3 Speciation
MCM	All Sectors	12.17	EMEP	GR05
MCM	Mean NO Source All Sectors	14.59	EMEP	GR05
MCM	Mean NO Source Solvents Only	19.55	EMEP	GR05
MCM	Solvents Only	16.57	EMEP	GR05
MOZART	All Sectors	9.40	IPCC	UK08
MOZART	Mean NO Source All Sectors	10.49	IPCC	UK08
MOZART	Mean NO Source Solvents Only	12.61	IPCC	UK08
MOZART	Solvents Only	11.77	IPCC	UK08
RADM2	All Sectors	12.37	IPCC	UK08
RADM2	Mean NO Source All Sectors	17.43	IPCC	UK08
RADM2	Mean NO Source Solvents Only	24.55	IPCC	UK08
RADM2	Solvents Only	16.85	IPCC	UK98

Table 1: **Second Day Differences in O3 mixing ratios between speciations**

Speciation	Run	Difference in O3 Mixing Ratios	Maximum O3 Mechanism	Least O3 Mechanism
DE94	All Sectors	4.16	MCM	RADM2
DE94	Mean NO Source All Sectors	6.37	MCM	RADM2
DE94	Mean NO Source Solvents Only	10.79	MCM	RADM2
DE94	Solvents Only	5.96	MCM	RADM2
EMEP	All Sectors	10.42	MCM	MOZART
EMEP	Mean NO Source All Sectors	11.27	MCM	MOZART
EMEP	Mean NO Source Solvents Only	11.89	MCM	MOZART
EMEP	Solvents Only	11.16	MCM	MOZART
GR05	All Sectors	1.87	RADM2	MCM
GR05	Mean NO Source All Sectors	4.68	RADM2	MCM
GR05	Mean NO Source Solvents Only	5.83	RADM2	MCM
GR05	Solvents Only	3.57	MOZART	MCM
GR95	All Sectors	2.27	RADM2	MCM
GR95	Mean NO Source All Sectors	8.19	RADM2	MCM
GR95	Mean NO Source Solvents Only	9.95	RADM2	MCM
GR95	Solvents Only	3.47	MOZART	MCM
IPCC	All Sectors	4.59	RADM2	MOZART
IPCC	Mean NO Source All Sectors	6.63	RADM2	MOZART
IPCC	Mean NO Source Solvents Only	6.81	RADM2	MOZART
IPCC	Solvents Only	3.33	RADM2	MOZART
TNO	All Sectors	5.10	MCM	MOZART
TNO	Mean NO Source All Sectors	5.75	MCM	MOZART
TNO	Mean NO Source Solvents Only	5.38	MCM	RADM2
TNO	Solvents Only	4.70	MCM	RADM2
UK08	All Sectors	5.42	MCM	MOZART
UK08	Mean NO Source All Sectors	6.21	MCM	RADM2
UK08	Mean NO Source Solvents Only	10.00	MCM	RADM2
UK08	Solvents Only	5.33	MCM	RADM2
UK98	All Sectors	6.21	MCM	RADM2
UK98	Mean NO Source All Sectors	6.99	MCM	RADM2
UK98	Mean NO Source Solvents Only	10.53	MCM	RADM2
UK98	Solvents Only	9.40	MCM	RADM2

Table 2: **Second Day Differences in O3 mixing ratios between mechanisms**