



Supplement of

Measurement report: Diurnal and temporal variations of sugar compounds in suburban aerosols from the northern vicinity of Beijing, China – an influence of biogenic and anthropogenic sources

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Table S-1 Sampling informations

Sampler:High Volume Air Sampler (Kimoto-AS810A)						
Sample ID	Start Time	Finish Time	Center Time	Total Time (Hours)	Total Air V (m ³)	Filter Total (cm ²)
CHN-131	2007/9/15 9:08	2007/9/15 17:57	15/09/07 13:32	8:49	533.25	405.3
CHN-132	15/09/07 18:01	16/09/07 8:25	16/09/07 1:13	14:24	873.09	405.3
CHN-133	16/09/07 8:29	16/09/07 17:53	16/09/07 13:11	9:24	563.03	405.3
CHN-134	16/09/07 17:57	17/09/07 8:56	17/09/07 1:26	14:59	907.48	405.3
CHN-135	17/09/07 9:00	2007/9/17 17:38	17/09/07 13:19	8:38	515.44	405.3
CHN-136	18/09/07 9:58	18/09/07 18:03	18/09/07 14:00	8:05	490.5	405.3
CHN-137	2007/9/18 18:06	19/09/07 8:54	19/09/07 1:30	14:48	905.69	405.3
CHN-139	19/09/07 9:04	19/09/07 12:00	19/09/07 10:32	2:56	177.5	405.3
CHN-140	19/09/07 12:04	19/09/07 15:01	19/09/07 13:32	2:57	180.14	405.3
CHN-141	19/09/07 15:05	19/09/07 18:01	19/09/07 16:33	2:56	179.44	405.3
CHN-142	19/09/07 18:04	20/09/07 9:01	20/09/07 1:32	14:57	920.18	405.3
CHN-143	20/09/07 9:05	20/09/07 12:02	20/09/07 10:33	2:57	172.93	405.3
CHN-144	2007/9/20 12:06	2007/9/20 15:01	20/09/07 13:33	2:55	177.25	405.3
CHN-145	20/09/07 15:04	20/09/07 17:59	20/09/07 16:31	2:55	178.6	405.3
CHN-146	20/09/07 18:02	21/09/07 8:57	21/09/07 1:29	14:55	919.91	405.3
CHN-147	21/09/07 9:00	21/09/07 12:02	21/09/07 10:31	3:02	180.96	405.3
CHN-149	21/09/07 15:06	21/09/07 17:59	21/09/07 16:32	2:53	177.52	405.3
CHN-150	21/09/07 18:02	22/09/07 9:00	22/09/07 1:31	14:58	915.67	405.3
CHN-151	22/09/07 9:02	22/09/07 11:59	22/09/07 10:30	2:57	178.6	405.3
CHN-152	22/09/07 12:02	22/09/07 14:59	22/09/07 13:30	2:57	177.73	405.3
CHN-153	22/09/07 15:02	22/09/07 17:58	22/09/07 16:30	2:56	180.68	405.3
CHN-154	22/09/07 18:01	23/09/07 8:56	23/09/07 1:28	14:55	911.27	405.3
CHN-155	23/09/07 9:00	23/09/07 11:57	23/09/07 10:28	2:57	177.82	405.3
CHN-156	2007/9/23 12:00	23/09/07 14:59	23/09/07 13:29	2:59	179.3	405.3
CHN-157	23/09/07 15:02	23/09/07 17:59	23/09/07 16:30	2:57	180.75	405.3
CHN-158	23/09/07 18:03	24/09/07 8:55	24/09/07 1:29	14:52	918.89	405.3
CHN-159	24/09/07 8:59	24/09/07 11:56	24/09/07 10:27	2:57	178.16	405.3
CHN-160	24/09/07 11:59	24/09/07 14:57	24/09/07 13:28	2:58	180.62	405.3
CHN-161	2007/9/24 15:00	24/09/07 17:56	24/09/07 16:28	2:56	179.84	405.3
CHN-163	24/09/07 18:11	25/09/07 9:01	25/09/07 1:36	14:50	899.43	405.3
CHN-164	25/09/07 9:04	25/09/07 12:07	25/09/07 10:35	3:03	184.92	405.3
CHN-165	25/09/07 12:09	25/09/07 14:58	25/09/07 13:33	2:49	169.63	405.3
CHN-166	25/09/07 15:01	25/09/07 17:58	25/09/07 16:29	2:57	180.45	405.3
CHN-167	25/09/07 18:01	26/09/07 9:01	26/09/07 1:31	15:00	912.34	405.3
CHN-168	2007/9/26 9:04	26/09/07 11:59	26/09/07 10:31	2:55	176.33	405.3
CHN-169	26/09/07 12:02	26/09/07 14:58	26/09/07 13:30	2:56	176.46	405.3
CHN-170	26/09/07 15:01	26/09/07 17:58	26/09/07 16:29	2:57	181.09	405.3
CHN-171	26/09/07 18:01	27/09/07 8:56	27/09/07 1:28	14:55	916.56	405.3
CHN-172	27/09/07 8:59	27/09/07 12:00	27/09/07 10:29	3:01	183.05	405.3
CHN-173	27/09/07 12:03	27/09/07 15:01	27/09/07 13:32	2:58	180.88	405.3
CHN-174	27/09/07 15:04	27/09/07 17:59	27/09/07 16:31	2:55	179.04	405.3
CHN-175	27/09/07 18:02	28/09/07 9:15	28/09/07 1:38	15:13	936.45	405.3
CHN-176	28/09/07 9:19	28/09/07 17:57	28/09/07 13:38	8:38	519.1	405.3
CHN-178	28/09/07 18:10	29/09/07 8:59	29/09/07 1:34	14:49	907.18	405.3
CHN-179	29/09/07 9:01	29/09/07 17:59	29/09/07 13:30	8:58	539.66	405.3
CHN-180	29/09/07 18:01	30/09/07 8:57	30/09/07 1:29	14:56	922.34	405.3
CHN-181	30/09/07 9:00	30/09/07 17:57	30/09/07 13:28	8:57	531.89	405.3
CHN-182	30/09/07 18:00	01/10/07 8:55	01/10/07 1:27	14:55	896.33	405.3
CHN-183	01/10/07 8:58	01/10/07 17:54	01/10/07 13:26	8:56	538.04	405.3
CHN-184	01/10/07 17:57	02/10/07 8:56	02/10/07 1:26	14:59	926.33	405.3
CHN-185	02/10/07 8:59	02/10/07 17:56	02/10/07 13:27	8:57	531.43	405.3
CHN-186	02/10/07 17:59	03/10/07 8:59	03/10/07 1:29	15:00	913.14	405.3
CHN-187	03/10/07 9:01	03/10/07 17:52	03/10/07 13:26	8:51	523.19	405.3
CHN-188	03/10/07 17:54	04/10/07 8:57	04/10/07 1:25	15:03	919.84	405.3
CHN-189	04/10/07 9:00	04/10/07 17:56	04/10/07 13:28	8:56	535.79	405.3
CHN-190	04/10/07 18:00	05/10/07 8:59	05/10/07 1:29	14:59	918.46	405.3
CHN-191	05/10/07 9:04	05/10/07 17:56	05/10/07 13:30	8:52	535.52	405.3
CHN-192	05/10/07 17:59	06/10/07 8:53	06/10/07 1:26	14:54	906.91	405.3
CHN-138	19/09/07 9:00	blank	19/09/07 9:00			405.3
CHN-148	21/09/07 13:52	blank	21/09/07 13:52			405.3
CHN-162	24/09/07 17:58	blank	24/09/07 17:58			405.3
CHN-177	28/09/07 18:00	blank	28/09/07 18:00			405.3

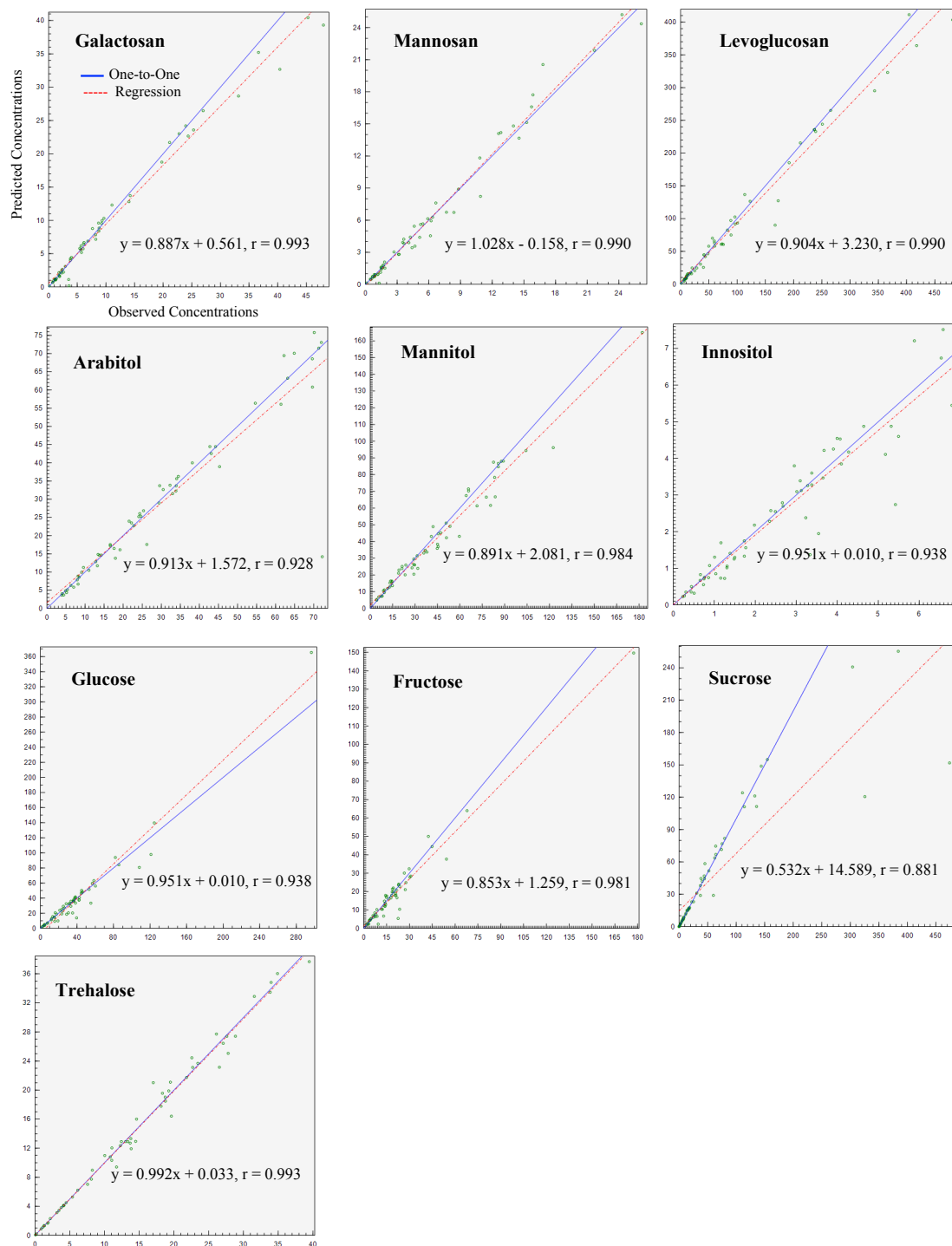


Figure S-1. The Scatter plots between observed (input data) and predicted (modeled data) concentrations show statistical parameter (coefficient of determination (r), Intercept, and Slope) with linear equation of individual sugar compounds. A blue 1:1 line is provided on this plot for reference (a perfect fit would line up exactly on this line), and the regression line is shown as a dotted red line.

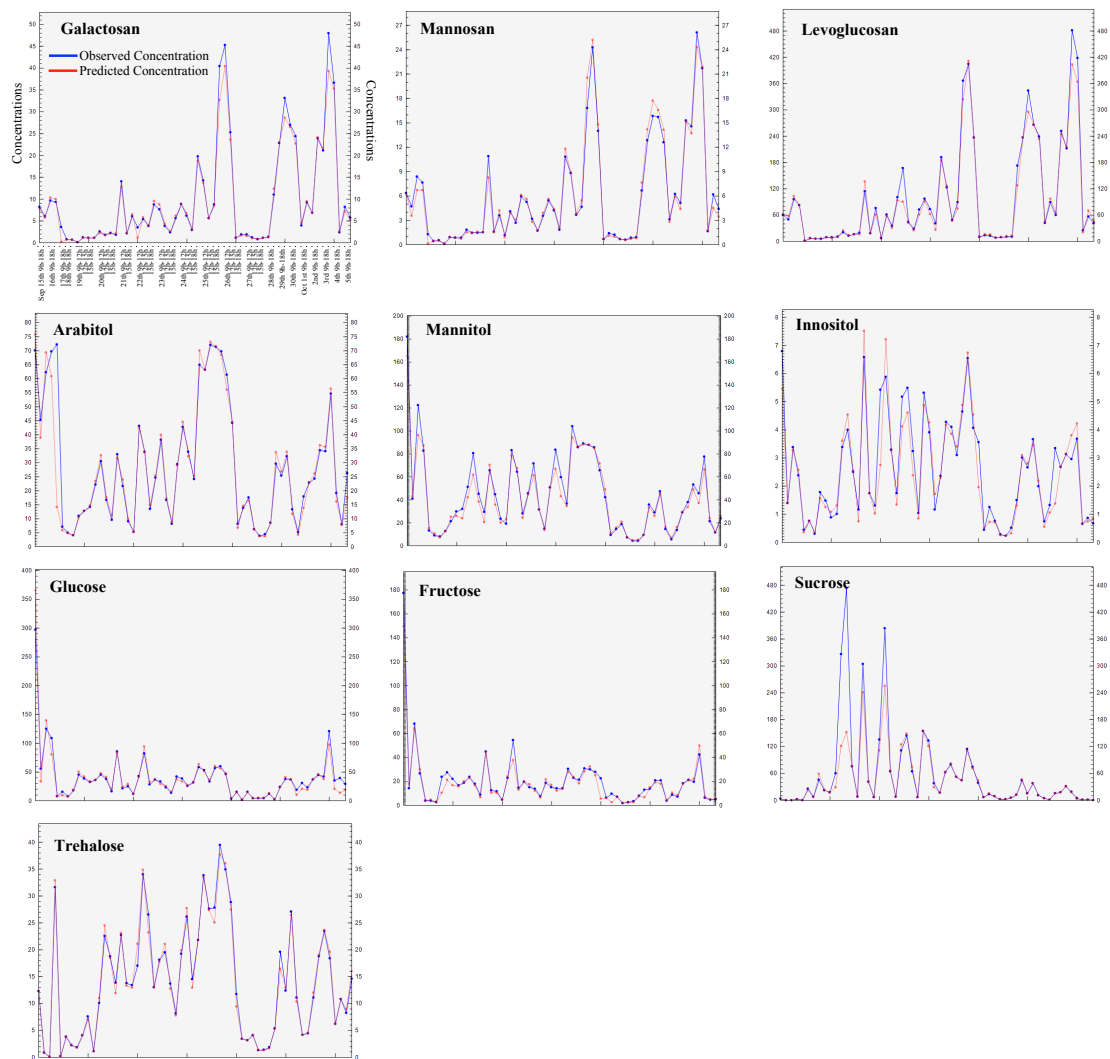


Figure S-2. The time series plots between observed (input data) and predicted (modeled data) concentrations of individual sugar compounds. Blue and red lines show observed (input data) and predicted (modeled data) concentrations, respectively.

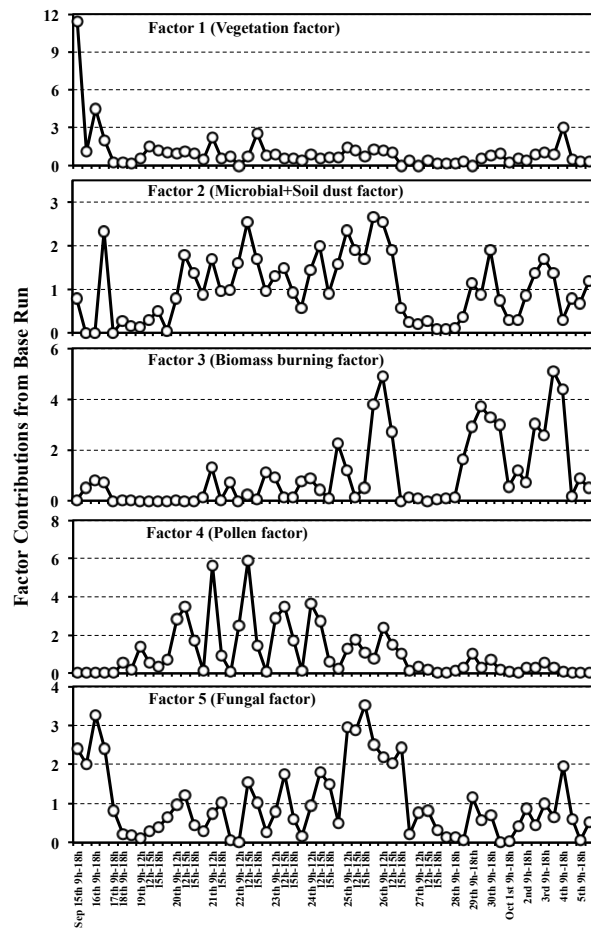


Figure S-3. The time series plots of the factors solutions determined by PMF