

Table 6.													
East Rift Zone SO <sub>2</sub> emission rates, stationary scanning measurements													
Note: Simulated Radiative Transfer DOAS (SRT-DOAS), simulates realistic light paths in and around the volcanic plume containing variable amounts of SO <sub>2</sub> and aerosols. These data are presented without SRT-DOAS adjustment. Date and Time are in Hawaiian Standard Time (HST).													
Vent <sup>1</sup>	Date HST	Time HST	SO <sub>2</sub> (t/d)	SD (t/d)	Cycles	WS (m/s)	WD (degree)	FLYSPEC orientation (°)	FLYSPEC location (fig. 1)	Distance to plume (m)	Traverse measurements <sup>2</sup>		
											SO <sub>2</sub> (t/d)	SD (t/d)	N
Pu'u 'Ō'o	11/30/07	14:11-14:48	480	95	9	5.6	175	265	e	1200	1800	340	2
TEB	11/30/07	12:32-13:46	40	8	26	5.5	175	65	e	200	1800	340	2
TEB	11/30/07	15:00-15:28	55	5	7	4.7	182	65	e	200	1800	340	2
TEB	2/15/08	09:53-12:27	70	35	23	4.5	50	170	e	100-200	2800	320	4
Q2 shield	10/7/10	12:37-13:42	30	16	50	4	90	180	f	165	270	75	7
Footnote 1. Vent locations: TEB (Thanksgiving Eve Breakout vent): -155.088251W 19.39955 N; Pu'u 'Ō'o: -155.107W 19.389N; Q2 shield (tube source located ~ 3.8 km ESE of Pu'u 'Ō'o) :-155.0592W 19.387261N													
Footnote 2. Month's average for integrated SO <sub>2</sub> , standard deviation, and number of measurement days, as measured by vehicle along Chain of Craters Road													
Abbreviations: t/d=metric tonne (1000 kg)/day, SD=standard deviation, WS=wind speed, WD=wind direction east of true north, Cycles=number of plume scans, N= number of measurement days													