

Practice Data for e-Mission: Space Station Alpha

Use this sheet to practice analyzing your team data on the Data Tracking Tables. Cut apart the readings and have someone give them to you every five minutes to see how quickly you can run your analysis. You may also choose to run it as a “race.” Compete with other teams to see how many pieces of data you can analyze in 15 minutes. You should also practice filling out the Team Report Forms every five minutes.

Please note: The first seven readings (15:00 - 17:00) were given in the pre-mission preparation packets.

Life Support Team Practice Data

UTC	% O ²	% CO ²
15:00	21.70	0.35

UTC	% O ²	% CO ²
15:20	21.42	0.57

UTC	% O ²	% CO ²
15:40	21.75	0.37

UTC	% O ²	% CO ²
16:00	19.80	0.80

UTC	% O ²	% CO ²
16:20	18.45	1.20

UTC	% O ²	% CO ²
16:40	20.15	1.40

UTC	% O ²	% CO ²
17:00	19.50	0.90

UTC	% O ²	% CO ²
17:20	18.65	1.80

UTC	% O ²	% CO ²
17:40	21.33	0.95

UTC	% O ²	% CO ²
18:00	21.56	0.74

UTC	% O ²	% CO ²
18:20	21.60	0.51

Radiation Team Practice Data

UTC	(20 min Dose) TEPC1	(20 min Dose) TEPC2
15:00	0.43 rems	0.43 rems

UTC	(20 min Dose) TEPC1	(20 min Dose) TEPC2
15:20	0.58 rems	0.58 rems

UTC	(20 min Dose) TEPC1	(20 min Dose) TEPC2
15:40	1.67 rems	1.67 rems

UTC	(20 min Dose) TEPC1	(20 min Dose) TEPC2
16:00	3.56 rems	3.56 rems

UTC	(20 min Dose) TEPC1	(20 min Dose) TEPC2
16:20	5.01 rems	5.01 rems

UTC	(20 min Dose) TEPC1	(20 min Dose) TEPC2
16:40	4.20 rems	4.20 rems

UTC	(20 min Dose) TEPC1	(20 min Dose) TEPC2
17:00	1.83 rems	1.83 rems

STORM Team Practice Data

UTC	Amount of Protons	X-Ray (microwatts)
15:00	45	9

UTC	Amount of Protons	X-Ray (microwatts)
15:20	119	16

UTC	Amount of Protons	X-Ray (microwatts)
15:40	1,310	46

UTC	Amount of Protons	X-Ray (microwatts)
16:00	350	1250

UTC	Amount of Protons	X-Ray (microwatts)
16:20	765	90

UTC	Amount of Protons	X-Ray (microwatts)
16:40	1,890	452

UTC	Amount of Protons	X-Ray (microwatts)
17:00	3,410	892

UTC	Amount of Protons	X-Ray (microwatts)
17:20	2,525	1,029

UTC	Amount of Protons	X-Ray (microwatts)
17:40	4,100	1,876

UTC	Amount of Protons	X-Ray (microwatts)
18:00	3,575	384

UTC	Amount of Protons	X-Ray (microwatts)
18:20	780	236