

MESA Air Data Set

Air Questionnaire Variable Documentation

Order	Variable	Variable Label	Value Labels	Computed
1	Idno	Participant ID		
2	cohort	MESA Cohort	1: MESA 2: MESA Family 3: MESA Air	
3	HshldHQ	Number of People in Household		
4	bldgHQ	What Type of Building do you Live in?	1: Single family or free-standing 2: Manufactured home/mobile home 3: Row house/townhouse/brownstone 4: Duplex/triplex, free-standing 5: High rise apartment/condo/coop 6: Low rise apartment/condo/coop 7: Other	
5	bldgOtHQ	Type of Building, Other		
6	bldgFIHQ	What Floor do you Live on?		
7	WhcFlrHQ	For Third or Higher, Which Floor?		
8	bldAgHQ	Age of Building		
9	BldYrHQ	Year Building Built		
10	UnpvdHQ	Unpaved Road, Parking Lot, or Driveway	0: No 1: Yes	
11	DustHQ	Nearby Sources of Dust or Smoke	0: No 1: Yes 2: Do not know	
12	Sourc1HQ	First Source of Dust or Smoke		
13	Sourc2HQ	Second Source of Dust or Smoke		
14	Sourc3HQ	Third Source of Dust or Smoke		
15	GarageHQ	Attached Garage	0: No 1: Yes	

Order	Variable	Variable Label	Value Labels	Computed
16	GrgUseHQ	Use of Garage	1: Parking one car 2: Parking two cars 3: Parking more than two cars 4: Storage only 5: Other	
17	GrgOthHQ	Use of Garage, Other		
18	AirConHQ	A/C used in Residence	0: No 1: Yes	
19	ACtypHQ	Type of A/C	1: Central A/C 2: Window unit(s) 3: Other	
20	ACnumHQ	Number of Window Units		
21	ACotSpHQ	Type of A/C, Other		
22	JulUseHQ	A/C used in July	1: Not used at all 2: A few days a month 3: More than half of the days of the month, but less than daily 4: Almost daily (thermostat use also) 5: Other	
23	JulothHQ	A/C used in July, Other		
24	JanUseHQ	A/C used in January	1: Not used at all 2: A few days a month 3: More than half of the days of the month, but less than daily 4: Almost daily (thermostat use also) 5: Other	
25	JanOthHQ	A/C used in, Other		
26	RadtrHQ	Radiators (steam or hot water)	0: No 1: Yes 2: Do not know	
27	FrcdArHQ	Forced Air (vents)	0: No 1: Yes 2: Do not know	
28	EltrcHQ	Electric Space Heater	0: No 1: Yes 2: Do not know	

Order	Variable	Variable Label	Value Labels	Computed
29	BsebrdHQ	Baseboard Heat	0: No 1: Yes 2: Do not know	
30	GasHQ	Gas Space Heater	0: No 1: Yes 2: Do not know	
31	KersneHQ	Kerosene Space Heater	0: No 1: Yes 2: Do not know	
32	WoodHQ	Wood Burning Stove	0: No 1: Yes 2: Do not know	
33	FreplHQ	Fireplace	0: No 1: Yes 2: Do not know	
34	StoveHQ	Open Stove	0: No 1: Yes 2: Do not know	
35	HeatOtHQ	Heating Source, Specified Other		
36	StrmWdHQ	Storm Windows in Residence	0: No 1: Yes 2: Do not know	
37	StrUseHQ	Amount of Storm Windows Used	1: All 2: Most 3: A Few	
38	DblPneHQ	Double Paned Windows	0: No 1: Yes 2: Do not know	
39	DpneAHQ	Amount of Double Paned Windows	1: All 2: Most 3: A Few	
40	JulWdwHQ	Summer: Windows Usually Open	1: None 2: All 3: Some	

Order	Variable	Variable Label	Value Labels	Computed
41	JulOpnHQ	Summer: How Open Windows are	1: Cracked open (10% or less) 2: Partially open (11 - 20%) 3: Halfway open (21 - 50%) 4: Mostly open (51 - 80%) 5: Wide open (more than 80%)	
42	JulOfthQ	Summer: How Often Windows open	1: A few days a month 2: More than half of the days of the month, but less than daily 3: Almost daily 4: Other	
43	JulSpchQ	Summer: How Often Windows open, Other		
44	JanWdwHQ	Winter: Windows Usually Open	1: None 2: All 3: Some	
45	JanOpnHQ	Winter: How Open Windows are	1: Cracked open (10% or less) 2: Partially open (11 - 20%) 3: Halfway open (21 - 50%) 4: Mostly open (51 - 80%) 5: Wide open (more than 80%)	
46	JanOfthQ	Winter: How Often Windows open	1: A few days a month 2: More than half of the days of the month, but less than daily 3: Almost daily 4: Other	
47	JanSpchQ	Winter: How Often Windows open, Other		
48	FilterHQ	Air Cleaner/Filter Used in Residence	0: No 1: Yes	
49	FiltrTHQ	Type of Cleaner/Filter	1: HEPA filter 2: Electrostatic precipitator 3: Negative ion generator 4: Ozone generator 5: Regular or fiberglass furnace filter 6: Do not know 7: Other	
50	FiltrSHQ	Type of Cleaner/Filter, Other		
51	FiltrUsHQ	How Often Cleaner/Filter Used	1: Never 2: A few days a month 3: More than half of the days of the month, but less than daily 4: Every day or nearly every day 5: Do not know	

Order	Variable	Variable Label	Value Labels	Computed
52	OvenHQ	Type of Oven in Household	1: Gas 2: Electric 3: Do not know 4: Other	
53	OvenSpHQ	Type of Oven in Household, Other		
54	StveHQ	Type of Stove or Range in Household	1: Gas 2: Electric 3: Do not know 4: Other	
55	StveSpHQ	Type of Stove or Range in Household, Other		
56	CookHQ	How Often Someone else Cooks in Residence	1: Never 2: A few days a month 3: More than half of the days of the month, but less than daily 4: Almost daily 5: Other	
57	CookSpHQ	How Often Someone else Cooks in Residence, Other		
58	ExhstHQ	Exhaust Fan in Kitchen Area	0: No 1: Yes 2: Not Applicable	
59	FanUseHQ	How Often Exhaust Fan is Used	1: Never 2: Occasionally 3: Most of the time 4: Every time the stove or the oven is used 5: Other	
60	FanOthHQ	How Often Exhaust Fan is Used, Other		
61	FanExhHQ	Where Fan Exhaust the Air	1: Kitchen exhaust vented outside 2: Recirculation back to kitchen 3: Do not know 4: Other	
62	FanEOthHQ	Where Fan Exhaust the Air, Other		
63	PltRngHQ	Pilot Light on Gas Range	0: No 1: Yes 2: Do not know	
64	PltOvnHQ	Pilot Light on Oven	0: No 1: Yes 2: Do not know	

Order	Variable	Variable Label	Value Labels	Computed
65	PltDryHQ	Pilot Light on Clothes Dryer	0: No 1: Yes 2: Do not know	
66	DryLctHQ	Location of Clothes Dryer		
67	PltHtrHQ	Pilot Light on Water Heater	0: No 1: Yes 2: Do not know	
68	HtrLctHQ	Location of Water Heater		
69	PltFurHQ	Pilot Light on Furnace	0: No 1: Yes 2: Do not know	
70	FurLctHQ	Location of Furnace		
71	PltOthHQ	Pilot Light, Other	0: No 1: Yes 2: Do not know	
72	PltOspHQ	Location of Pilot Light, Other		
73	SmokeHQ	Smoke in Residence within Last 12 Months	0: No 1: Yes 2: Do not know	
74	SmkOfthQ	How Often did Someone Smoke	1: Less than once a month 2: A few days each month 3: More than half of the days of the month, but less than daily 4: Every day or almost every day	
75	Smkr1HQ	Smoker 1: How Many Cigarettes		
76	Smkr2HQ	Smoker 2: How Many Cigarettes		
77	Smkr3HQ	Smoker 3: How Many Cigarettes		
78	Cigar1HQ	Smoker 1: How Many Cigars		
79	Cigar2HQ	Smoker 2: How Many Cigars		
80	SmkExpHQ	Exposure to Tobacco Smoke in Last 12 Months	1: Never 2: A few days each month 3: More than half of the days of the month, but less than daily 4: Daily	

Order	Variable	Variable Label	Value Labels	Computed
81	ScndHmHQ	Secondary Residence	0: No 1: Yes	
82	Cntry2HQ	Country (Secondary Residence)		
83	WinterHQ	Winter: Weeks at Secondary Residence		
84	SpringHQ	Spring: Weeks at Secondary Residence		
85	SummerHQ	Summer: Weeks at Secondary Residence		
86	FallHQ	Fall: Weeks at Secondary Residence		
87	HomeTyHQ	Type of Building (Secondary Residence)	1: Single family or free-standing 2: Manufactured home/mobile home 3: Row house/townhouse/brownstone 4: Duplex/triplex, free-standing 5: High rise apartment/condo/coop 6: Low rise apartment/condo/coop 7: Other	
88	HomeSpHQ	Type of Building (Secondary Residence), Other		
89	HmeFlrHQ	What Floor (Secondary Residence)		
90	WF1r2HQ	Which Floor if Third or Higher		
91	HomeAgHQ	Age of Secondary Residence		
92	HomeYrHQ	Year Secondary Residence Built		
93	Unpvd2HQ	Unpaved Road, Parking Lot, or Driveway (Secondary Residence)	0: No 1: Yes	
94	LoctnHQ	At Specific Location 2 hr/day or 10 hr/week	0: No 1: Yes	
95	AwyDayHQ	Days per Week Performing Activity		
96	AwyHrsHQ	Hours per Day Performing Activity		
97	DoLctnHQ	Specific Location: Activity	1: School 2: Work 3: Volunteer 4: Other	
98	LctnSpc1HQ	Specific Location: Activity, Other		

Order	Variable	Variable Label	Value Labels	Computed
99	IndusSpHQ	Industry you Work or Volunteer in		
100	ActvtsSpHQ	Activities when Work/Volunteering		
101	VaporsHQ	Exposure to Vapors or Dusts	0: No 1: Yes	
102	InHrsHQ	Hours per Day Indoors		
103	InMinHQ	Minutes per Day Indoors		
104	OutHrsHQ	Hours per Day Outdoors		
105	OutMinHQ	Minutes per Day Outdoors		
106	CarHrsHQ	Hours per Day in Private Car		
107	CarMinHQ	Minutes per Day in Private Car		
108	BusHrsHQ	Hours per Day on Bus		
109	BusMinHQ	Minutes per Day on Bus		
110	SbwyHrHQ	Hours per Day on Train or Subway		
111	SbwyMinHQ	Minutes per Day on Train or Subway		
112	CoWkrHQ	Number of Coworkers		
113	WkrSmkHQ	Specific Location: Number of People that Smoke		
114	WrkBldHQ	Specific Location: Building Type	1: Small residential style building 2: Small retail style business 3: Large retail style building 4: Office-type building 5: Industrial or warehouse 6: Other	
115	WkBldSHQ	Specific Location: Building Type, Other		
116	VentHQ	Specific Location: Ventilation	1: Mechanical 2: Natural 3: Both 4: Other	
117	VentSpHQ	Specific Location: Ventilation, Other		

Order	Variable	Variable Label	Value Labels	Computed
118	PrkngHQ	Specific Location: Parking Garage	0: No 1: Yes 2: Do not know	
119	HtngCnHQ	Building have Central Heating or A/C	0: No 1: Yes 2: Do not know	
120	BldWdwHQ	Building have Windows you can Open	0: No 1: Yes 2: Do not know	
121	OpnWtrHQ	How Often Windows or Doors Open (Winter)	1: Never (0%) 2: Almost Never (25)% 3: Sometimes (50%) 4: Often (75%) 5: Always (100%)	
122	OpnSprHQ	Spring: How Often Windows or Doors Open	1: Never (0%) 2: Almost Never (25)% 3: Sometimes (50%) 4: Often (75%) 5: Always (100%)	
123	OpnSmrHQ	Summer: How Often Windows or Doors Open	1: Never (0%) 2: Almost Never (25)% 3: Sometimes (50%) 4: Often (75%) 5: Always (100%)	
124	OpnFalHQ	Fall: How Often Windows or Doors Open	1: Never (0%) 2: Almost Never (25)% 3: Sometimes (50%) 4: Often (75%) 5: Always (100%)	
125	TrvlHHQ	Hours Traveling		
126	TrvlMHQ	Minutes Traveling		
127	WlkHrHQ	Hours per Day Walking (travel time)		
128	WlkMinHQ	Minutes per Day Walking (travel time)		
129	TaxiHHQ	Hours per Day in Taxi (travel time)		
130	TaxiMHQ	Minutes per Day in Taxi (travel time)		

Order	Variable	Variable Label	Value Labels	Computed
131	BusHHQ	Hours per Day on Bus (travel time)		
132	BusMHQ	Minutes per Day on Bus (travel time)		
133	TrainHHQ	Hours per Day on Train (travel time)		
134	TrainMHQ	Minutes per Day on Train (travel time)		
135	OthHHQ	Hours per Day, Other (travel time)		
136	OthMHQ	Minutes per Day, Other (travel time)		
137	OthSpcHQ	Other, specified		
138	FrwyPHQ	Percent of Time on Freeways		
139	RoadPHQ	Percent of Time on Heavily Traveled Roads		
140	PathPHQ	Percent of Time on Lightly Traveled Roads		
141	Trffc1HQ	Traffic Conditions from Home to Location	1: Light traffic, moving at the speed limit 2: Heavy traffic, moving below the speed limit 3: Congested or stop and go 4: Heavy traffic, moving at or above the speed limit 5: N/A, I travel by train or subway	
142	Trffc2HQ	Traffic Conditions from Location to Home	1: Light traffic, moving at the speed limit 2: Heavy traffic, moving below the speed limit 3: Congested or stop and go 4: Heavy traffic, moving at or above the speed limit 5: N/A, I travel by train or subway	
143	PrmAdrHQ	Primary Physical Street Address?	0: No 1: Yes	
144	OthTypHQ	Heating Source, Other	0: No 1: Yes	
145	LcActNAHQ	No Specific Location or N/A	0: No 1: Yes	
146	LocIOHQ	Specific Location: Indoor or Outdoor	1: Indoor location 2: Outdoor location	

Order	Variable	Variable Label	Value Labels	Computed
147	TottrfHQ	Majority of Travel Time	1: Light traffic, moving at the speed limit 2: Heavy traffic, moving below the speed limit 3: Congested or stop and go 4: Heavy traffic, moving at or above the speed limit 5: N/A, I travel by train or subway	
148	WkeSUHQ	Consider Sunday Weekend	0: No 1: Yes	
149	WkeMOHQ	Consider Monday Weekend	0: No 1: Yes	
150	WkeTUHQ	Consider Tuesday Weekend	0: No 1: Yes	
151	WkeWEHQ	Consider Wednesday Weekend	0: No 1: Yes	
152	WkeTHHQ	Consider Thursday Weekend	0: No 1: Yes	
153	WkeFRHQ	Consider Friday Weekend	0: No 1: Yes	
154	WkeSAHQ	Consider Saturday Weekend	0: No 1: Yes	
155	WkeNAHQ	Every Day Different (Weekend)	0: No 1: Yes	
156	WkdSUHQ	Sunday a Typical Weekday	0: No 1: Yes	
157	WkdMOHQ	Monday a Typical Weekday	0: No 1: Yes	
158	WkdTUHQ	Tuesday a Typical Weekday	0: No 1: Yes	
159	WkdWEHQ	Wednesday a Typical Weekday	0: No 1: Yes	
160	WkdTHHQ	Thursday a Typical Weekday	0: No 1: Yes	
161	WkdFRHQ	Friday a Typical Weekday	0: No 1: Yes	

Order	Variable	Variable Label	Value Labels	Computed
162	WkdSAHQ	Saturday a Typical Weekday	0: No 1: Yes	
163	WkdNAHQ	Every Day Different (Weekday)	0: No 1: Yes	
164	GaveLcHQ	Gave Location to Specific Location	0: No 1: Yes	
165	FEpaHQ	HEPA	0: No 1: Yes	
166	FEleHQ	Electrostatic Precipitator	0: No 1: Yes	
167	FNEGHQ	Negative Ion Generator	0: No 1: Yes	
168	FOznHQ	Ozone Generator	0: No 1: Yes	
169	FRegHQ	Regular Furnace Filter	0: No 1: Yes	
170	FDkHQ	Don't Know	0: No 1: Yes	
171	FOthHQ	Filter, Other	0: No 1: Yes	
172	HQtel	Questionnaire Administered	1: In Clinic 2: Via Telephone	
173	hqdt	Questionnaire Date		
174	whmihq1	Winter/Sunday: Home Indoors		
175	whmohq1	Winter/Sunday: Home Outdoors		
176	wwrkihq1	Winter/Sunday: Work, Volunteer, School Indoors		
177	wwrkohq1	Winter/Sunday: Work, Volunteer, School Outdoors		
178	wtrnshq1	Winter/Sunday: In Transit		
179	wothihq1	Winter/Sunday: Other Indoor		
180	wothohq1	Winter/Sunday: Other Outdoor		

Order	Variable	Variable Label	Value Labels	Computed
181	wtothq1	Winter/Sunday: Total		
182	whmihq2	Winter/Monday: Home Indoors		
183	whmohq2	Winter/Monday: Home Outdoors		
184	wwrkihq2	Winter/Monday: Work, Volunteer, School Indoors		
185	wwrkohq2	Winter/Monday: Work, Volunteer, School Outdoors		
186	wtrnshq2	Winter/Monday: In Transit		
187	wothihq2	Winter/Monday: Other Indoor		
188	wothohq2	Winter/Monday: Other Outdoor		
189	wtothq2	Winter/Monday: Total		
190	whmihq3	Winter/Tuesday: Home Indoors		
191	whmohq3	Winter/Tuesday: Home Outdoors		
192	wwrkihq3	Winter/Tuesday: Work, Volunteer, School Indoors		
193	wwrkohq3	Winter/Tuesday: Work, Volunteer, School Outdoors		
194	wtrnshq3	Winter/Tuesday: In Transit		
195	wothihq3	Winter/Tuesday: Other Indoor		
196	wothohq3	Winter/Tuesday: Other Outdoor		
197	wtothq3	Winter/Tuesday: Total		
198	whmihq4	Winter/Wednesday: Home Indoors		
199	whmohq4	Winter/Wednesday: Home Outdoors		
200	wwrkihq4	Winter/Wednesday: Work, Volunteer, School Indoors		
201	wwrkohq4	Winter/Wednesday: Work, Volunteer, School Outdoors		
202	wtrnshq4	Winter/Wednesday: In Transit		
203	wothihq4	Winter/Wednesday: Other Indoor		
204	wothohq4	Winter/Wednesday: Other Outdoor		

Order	Variable	Variable Label	Value Labels	Computed
205	wtothq4	Winter/Wednesday: Total		
206	whmihq5	Winter/Thursday: Home Indoors		
207	whmohq5	Winter/Thursday: Home Outdoors		
208	wwrkihq5	Winter/Thursday: Work, Volunteer, School Indoors		
209	wwrkohq5	Winter/Thursday: Work, Volunteer, School Outdoors		
210	wtrnshq5	Winter/Thursday: In Transit		
211	wothihq5	Winter/Thursday: Other Indoor		
212	wothohq5	Winter/Thursday: Other Outdoor		
213	wtothq5	Winter/Thursday: Total		
214	whmihq6	Winter/Friday: Home Indoors		
215	whmohq6	Winter/Friday: Home Outdoors		
216	wwrkihq6	Winter/Friday: Work, Volunteer, School Indoors		
217	wwrkohq6	Winter/Friday: Work, Volunteer, School Outdoors		
218	wtrnshq6	Winter/Friday: In Transit		
219	wothihq6	Winter/Friday: Other Indoor		
220	wothohq6	Winter/Friday: Other Outdoor		
221	wtothq6	Winter/Friday: Total		
222	whmihq7	Winter/Saturday: Home Indoors		
223	whmohq7	Winter/Saturday: Home Outdoors		
224	wwrkihq7	Winter/Saturday: Work, Volunteer, School Indoors		
225	wwrkohq7	Winter/Saturday: Work, Volunteer, School Outdoors		
226	wtrnshq7	Winter/Saturday: In Transit		
227	wothihq7	Winter/Saturday: Other Indoor		
228	wothohq7	Winter/Saturday: Other Outdoor		

Order	Variable	Variable Label	Value Labels	Computed
229	wtothq7	Winter/Saturday: Total		
230	shmihq1	Summer/Sunday: Home Indoors		
231	shmohq1	Summer/Sunday: Home Outdoors		
232	swrkihq1	Summer/Sunday: Work, Volunteer, School Indoors		
233	swrkohq1	Summer/Sunday: Work, Volunteer, School Outdoors		
234	strnshq1	Summer/Sunday: In Transit		
235	sothihq1	Summer/Sunday: Other Indoor		
236	sothohq1	Summer/Sunday: Other Outdoor		
237	stothq1	Summer/Sunday: Total		
238	shmihq2	Summer/Monday: Home Indoors		
239	shmohq2	Summer/Monday: Home Outdoors		
240	swrkihq2	Summer/Monday: Work, Volunteer, School Indoors		
241	swrkohq2	Summer/Monday: Work, Volunteer, School Outdoors		
242	strnshq2	Summer/Monday: In Transit		
243	sothihq2	Summer/Monday: Other Indoor		
244	sothohq2	Summer/Monday: Other Outdoor		
245	stothq2	Summer/Monday: Total		
246	shmihq3	Summer/Tuesday: Home Indoors		
247	shmohq3	Summer/Tuesday: Home Outdoors		
248	swrkihq3	Summer/Tuesday: Work, Volunteer, School Indoors		
249	swrkohq3	Summer/Tuesday: Work, Volunteer, School Outdoors		
250	strnshq3	Summer/Tuesday: In Transit		
251	sothihq3	Summer/Tuesday: Other Indoor		
252	sothohq3	Summer/Tuesday: Other Outdoor		

Order	Variable	Variable Label	Value Labels	Computed
253	stothq3	Summer/Tuesday: Total		
254	shmihq4	Summer/Wednesday: Home Indoors		
255	shmohq4	Summer/Wednesday: Home Outdoors		
256	swrkihq4	Summer/Wednesday: Work, Volunteer, School Indoors		
257	swrkohq4	Summer/Wednesday: Work, Volunteer, School Outdoors		
258	strnshq4	Summer/Wednesday: In Transit		
259	sothihq4	Summer/Wednesday: Other Indoor		
260	sothohq4	Summer/Wednesday: Other Outdoor		
261	stothq4	Summer/Wednesday: Total		
262	shmihq5	Summer/Thursday: Home Indoors		
263	shmohq5	Summer/Thursday: Home Outdoors		
264	swrkihq5	Summer/Thursday: Work, Volunteer, School Indoors		
265	swrkohq5	Summer/Thursday: Work, Volunteer, School Outdoors		
266	strnshq5	Summer/Thursday: In Transit		
267	sothihq5	Summer/Thursday: Other Indoor		
268	sothohq5	Summer/Thursday: Other Outdoor		
269	stothq5	Summer/Thursday: Total		
270	shmihq6	Summer/Friday: Home Indoors		
271	shmohq6	Summer/Friday: Home Outdoors		
272	swrkihq6	Summer/Friday: Work, Volunteer, School Indoors		
273	swrkohq6	Summer/Friday: Work, Volunteer, School Outdoors		
274	strnshq6	Summer/Friday: In Transit		
275	sothihq6	Summer/Friday: Other Indoor		
276	sothohq6	Summer/Friday: Other Outdoor		

Order	Variable	Variable Label	Value Labels	Computed
277	stothq6	Summer/Friday: Total		
278	shmihq7	Summer/Saturday: Home Indoors		
279	shmohq7	Summer/Saturday: Home Outdoors		
280	swrkiq7	Summer/Saturday: Work, Volunteer, School Indoors		
281	swrkohq7	Summer/Saturday: Work, Volunteer, School Outdoors		
282	strnshq7	Summer/Saturday: In Transit		
283	sothihq7	Summer/Saturday: Other Indoor		
284	sothohq7	Summer/Saturday: Other Outdoor		
285	stothq7	Summer/Saturday: Total		
286	dsumtmphq	Summer Day Temperature (F°)		
287	nsumtmphq	Summer Night Temperature (F°)		
288	dwintmphq	Winter Day Temperature (F°)		
289	nwintmphq	Winter Night Temperature (F°)		