# AP

*minimum\_TI*: **0.05**

*minimum\_PIF*: **0.0015**

*minimum\_PEF*: **0.003**

*apnea\_window*: **7**

*percent\_X\_window*: **201**

*percent\_X\_value*: **500**

*maximum\_percent\_X*: **1**

*maximum\_DVTV*: **100**

*minApSec*: **0.5**

*minimum\_apnea\_duration\_x\_local\_TT*: **2**

*minimum\_sigh\_amplitude\_x\_local\_VT*: **2**

*sigh\_window*: **11**

*apply\_smoothing\_filter*: **1**

*temperature\_calibration\_factor*: **1000**

*CO2\_calibration\_factor*: **1**

*O2\_calibration\_factor*: **10**

*flowrate*: **0.19811**

*rotometer\_standard\_curve\_readings*: **50 75 80 90 95 100 110 125 150**

*rotometer\_standard\_curve\_flowrates*: **0.0724 0.13476 0.14961 0.18137 0.19811 0.21527 0.2504 0.30329 0.38847**

*All\_Breath\_Output*: **1**

*Aggregate\_Output*: **Auto\_Condition@Man\_Condition@Breath\_Inclusion\_Filter**

*chamber\_temp\_cutoffs*: **18 35**

*chamber\_temperature\_units*: **C**

*chamber\_temperature\_default*: **28**

*chamber\_temperature\_trim\_size*: **1000**

*chamber\_temperature\_narrow\_fix*: **T**

*maxTV*: **off**

*maxVEVO2*: **off**

# Manual Settings

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **21**

*CAL\_CO2*: **0**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **Cal**

## Cal 20 5% CO2

*Alias*: **Cal 20 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **NA**

*CAL\_CO2*: **5**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **Cal**

## Pre-CNO Room Air

*Alias*: **Pre-CNO Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **Pre**

## Pre-CNO 5% CO2

*Alias*: **Pre-CNO 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **Pre**

## Post-CNO Room Air

*Alias*: **Post-CNO Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **Pos**

## Post-CNO 5% CO2

*Alias*: **Post-CNO 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **Pos**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **21**

*CAL\_CO2*: **0**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **Cal**

## Cal 20 5% CO2

*Alias*: **Cal 20 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **NA**

*CAL\_CO2*: **5**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **Cal**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

## 5% CO2

*Alias*: **5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **NA**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **21**

*CAL\_CO2*: **0**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **Cal**

## Cal 20 7% CO2

*Alias*: **Cal 20 7% CO2**

*Cal Seg*: **Cal 20 7% CO2**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **NA**

*CAL\_CO2*: **7**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **Cal**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

## 7% CO2

*Alias*: **7% CO2**

*Cal Seg*: **Cal 20 7% CO2**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **NA**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **21**

*CAL\_CO2*: **0**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **Cal**

## Cal 20 10% CO2

*Alias*: **Cal 20 10% CO2**

*Cal Seg*: **Cal 20 10% CO2**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **NA**

*CAL\_CO2*: **10**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **Cal**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

## 10% CO2

*Alias*: **10% CO2**

*Cal Seg*: **Cal 20 10% CO2**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **CO2**

*MAN\_IND\_INJECTION*: **NA**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **21**

*CAL\_CO2*: **0**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **Cal**

## Cal 20 10% O2

*Alias*: **Cal 20 10% O2**

*Cal Seg*: **Cal 20 10% O2**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **1**

*MAN\_IND\_GAS\_CAL*: **1**

*CAL\_O2*: **10**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **O2**

*MAN\_IND\_INJECTION*: **Cal**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

## 10% O2

*Alias*: **10% O2**

*Cal Seg*: **Cal 20 10% O2**

*MAN\_IND\_INCLUDE*: **1**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **O2**

*MAN\_IND\_INJECTION*: **NA**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*MAN\_IND\_INCLUDE*: **0**

*MAN\_IND\_CAL*: **0**

*MAN\_IND\_GAS\_CAL*: **0**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*MAN\_IND\_GAS*: **RA**

*MAN\_IND\_INJECTION*: **NA**

# Auto Settings

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **21,1.5,2.5**

*CAL\_CO2*: **0,-.1,.1**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 5% CO2

*Alias*: **Cal 20 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **5%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **5,2,3**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **4**

*max\_CO2*: **6**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Pre-CNO Room Air

*Alias*: **Pre-CNO Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **PRE**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **1**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Pre-CNO 5% CO2

*Alias*: **Pre-CNO 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **5%CO2**

*AUTO\_IND\_INJECTION*: **PRE**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **5**

*max\_CO2*: **10**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Pre-CNO Post-CO2 Recovery

*Alias*: **Pre-CNO Post-CO2 Recovery**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **PRE**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Post-CNO Room Air

*Alias*: **Post-CNO Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **POST**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **1**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Post-CNO 5% CO2

*Alias*: **Post-CNO 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **5%CO2**

*AUTO\_IND\_INJECTION*: **POST**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **5**

*max\_CO2*: **10**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Post-CNO Post-CO2 Recovery

*Alias*: **Post-CNO Post-CO2 Recovery**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **POST**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **1**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **21,1.5,2.5**

*CAL\_CO2*: **0,-.1,.1**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 10% O2

*Alias*: **Cal 20 10% O2**

*Cal Seg*: **Cal 20 10% O2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **10%O2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **10,0.5,1.5**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **9**

*max\_O2*: **11**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Pre-CNO Room Air

*Alias*: **Pre-CNO Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **PRE**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **1**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Pre-CNO 10% O2

*Alias*: **Pre-CNO 10% O2**

*Cal Seg*: **Cal 20 10% O2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **10%O2**

*AUTO\_IND\_INJECTION*: **PRE**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **5**

*max\_O2*: **10**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Pre-CNO Post-O2 Recovery

*Alias*: **Pre-CNO Post-O2 Recovery**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **PRE**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Post-CNO Room Air

*Alias*: **Post-CNO Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **POST**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **1**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Post-CNO 10% O2

*Alias*: **Post-CNO 10% O2**

*Cal Seg*: **Cal 20 10% O2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **10%O2**

*AUTO\_IND\_INJECTION*: **POST**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **5**

*max\_O2*: **10**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Post-CNO Post-O2 Recovery

*Alias*: **Post-CNO Post-O2 Recovery**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **POST**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **1**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **21,1.5,2.5**

*CAL\_CO2*: **0,-.1,.1**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 5% CO2

*Alias*: **Cal 20 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **5%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **5,2,3**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **4**

*max\_CO2*: **6**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **1**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## 5% CO2

*Alias*: **5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **5%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **5**

*max\_CO2*: **10**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **1**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **21,1.5,2.5**

*CAL\_CO2*: **0,-.1,.1**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 7% CO2

*Alias*: **Cal 20 7% CO2**

*Cal Seg*: **Cal 20 7% CO2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **7%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **7,3,4**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **6**

*max\_CO2*: **8**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **1**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## 7% CO2

*Alias*: **7% CO2**

*Cal Seg*: **Cal 20 7% CO2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **7%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **7**

*max\_CO2*: **12**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **1**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **21,1.5,2.5**

*CAL\_CO2*: **0,-.1,.1**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 10% CO2

*Alias*: **Cal 20 10% CO2**

*Cal Seg*: **Cal 20 10% CO2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **10%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **10,4.5,5.5**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **9**

*max\_CO2*: **11**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **1**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## 10% CO2

*Alias*: **10% CO2**

*Cal Seg*: **Cal 20 10% CO2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **10%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **10**

*max\_CO2*: **15**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **1**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **21,1.5,2.5**

*CAL\_CO2*: **0,-.1,.1**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 5% CO2

*Alias*: **Cal 20 5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **5%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **5,2,3**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **4**

*max\_CO2*: **6**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 10% O2

*Alias*: **Cal 20 10% O2**

*Cal Seg*: **Cal 20 10% O2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **10%O2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **10,0.5,1.5**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **9**

*max\_O2*: **11**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **1**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## 5% CO2

*Alias*: **5% CO2**

*Cal Seg*: **Cal 20 5% CO2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **5%CO2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **5**

*max\_CO2*: **10**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## 10% O2

*Alias*: **10% O2**

*Cal Seg*: **Cal 20 10% O2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **10%O2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **5**

*max\_O2*: **10**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air 3

*Alias*: **Room Air 3**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **1**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 Room Air

*Alias*: **Cal 20 Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **21,1.5,2.5**

*CAL\_CO2*: **0,-.1,.1**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **19**

*max\_O2*: **22**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Cal 20 10% O2

*Alias*: **Cal 20 10% O2**

*Cal Seg*: **Cal 20 10% O2**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **1**

*AUTO\_IND\_GAS\_CAL*: **1**

*AUTO\_IND\_GAS*: **10%O2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **10,0.5,1.5**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.2**

*max\_TT*: **1**

*max\_DVTV*: **0.2**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **0.5**

*min\_TV*: **0**

*min\_CO2*: **-1**

*max\_CO2*: **3**

*min\_O2*: **9**

*max\_O2*: **11**

*min\_bout*: **10**

*within\_start*: **300**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air

*Alias*: **Room Air**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **1**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## 10% O2

*Alias*: **10% O2**

*Cal Seg*: **Cal 20 10% O2**

*AUTO\_IND\_INCLUDE*: **1**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **10%O2**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **0**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **5**

*max\_O2*: **10**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **600**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**

## Room Air 2

*Alias*: **Room Air 2**

*Cal Seg*: **Cal 20 Room Air**

*AUTO\_IND\_INCLUDE*: **0**

*AUTO\_IND\_CAL*: **0**

*AUTO\_IND\_GAS\_CAL*: **0**

*AUTO\_IND\_GAS*: **RA**

*AUTO\_IND\_INJECTION*: **NA**

*CAL\_O2*: **NA**

*CAL\_CO2*: **NA**

*Midpoint*: **0**

*min\_TT*: **0.1**

*max\_TT*: **5**

*max\_DVTV*: **0.25**

*Startpoint*: **0**

*Endpoint*: **1**

*max\_pX*: **0.1**

*X*: **500**

*max\_calibrated\_TV*: **off**

*max\_VEVO2*: **off**

*include\_apnea*: **0**

*include\_sigh*: **0**

*include\_high\_chamber\_temp*: **0**

*vol\_mov\_avg\_drift*: **1**

*min\_TV*: **0**

*min\_CO2*: **0**

*max\_CO2*: **5**

*min\_O2*: **10**

*max\_O2*: **21**

*min\_bout*: **10**

*within\_start*: **43200**

*within\_end*: **43200**

*after\_start*: **0**

*before\_end*: **0**

*min\_VO2*: **off**

*min\_VCO2*: **off**