

Name	Latitude	Longitude	Alt (ft)	Description	Spiral	Overflight	Pandora	EPA NO2	Missed Approach	O3	NO2	NOx/NOy	WS/WD/T	SO2	CO	CO2, CH4	NMHCs	PM2.5	PM10	Lidars	Balloons	Comment	
BAO Tower	40.050030	-105.003835	5186	NOAA site	X		1			CSU	CSU									NOAA-O3 and Doppler Wind, Eloranta?		small sensors? CIMEL already there?	
Chatfield Park	39.534500	-105.070365	5498	CDPHE, 08-035-0004	X		1	X		CDPHE	EPA		CDPHE										
Denver-LaCasa Ncore	39.779490	-105.005180	5254	CDPHE, 08-031-0026	X		2	X		CDPHE	EPA	CDPHE		CDPHE									
Fort Collins-West	40.592795	-105.141410	5156	CDPHE, 08-069-0011	X		1	X	500 feet	CDPHE	EPA												
NREL-S. Table Mtn.	39.743725	-105.177990	6015	CDPHE, 08-059-0011	X		2	X		CDPHE	EPA	Millersville											
Platteville	40.182765	-104.726100	4997	NOAA site	X		1	X		NOAA/NATIVE	EPA/NATIVE	NATIVE	NATIVE	NATIVE	NATIVE	NATIVE	NATIVE?						
Boulder	39.991859	-105.261325	5447	NOAA site		X	1																
CAMP	39.751190	-104.987610	5226	CDPHE, 08-031-0002		X				CDPHE	CDPHE	CDPHE	CDPHE	CDPHE	CDPHE								
I-25 Denver	39.732146	-105.015317	5207	971 Yuma St.			1	X			CDPHE/EPA												
Niwot Ridge	40.031795	-105.533313	9467	NOAA site			1																
Rocky Flats - N	39.912795	-105.188575	5915	CDPHE, 08-059-0006		X	1	?		CDPHE	EPA?		CDPHE										
Table Mountain	40.124741	-105.236979	5535	NOAA site		X	1																possible ozone monitor
Welch	39.638780	-105.139510	5719	CDPHE, 08-059-0005		X	1			CDPHE			CDPHE										
Weld Co. Tower	40.386360	-104.737445	4869	CDPHE, 08-123-0009		X	1	?		CDPHE	EPA?		CDPHE										need to see about putting remote sensors on county building
Greeley-Weld Co. Airport	40.441377	-104.631188	4672						X														Missed approach along BL run
Parkland Airport	40.070854	-105.027530	5053						500 feet														Missed approach with BAO spiral
Aurora East/DU-ARTI	39.638540	-104.569130	5912	CDPHE, 08-005-0006						CDPHE			CDPHE										Nothing extra planned for this site
Centennial Cone	39.760299	-105.360728	7850																				Possible Pandora and/or ozone monitor
Fort Collins-CSU	40.577470	-105.078920	5002	CDPHE, 08-069-1004						CDPHE			CDPHE		CDPHE								Nothing extra planned for this site
Fritz Peak	39.908062	-105.491687	8797																				Possible Pandora and/or ozone monitor
Mines Peak	39.794099	-105.764158	12458																				Possible Pandora and/or ozone monitor
South Boulder Creek	39.957205	-105.238460	5483	CDPHE, 08-013-0011						CDPHE													Nothing extra planned for this site
Squaw Mtn	39.679690	-105.493284	11456																				Possible Pandora and/or ozone monitor
Welby	39.838200	-104.949845	5105	CDPHE, 08-001-3001						CDPHE	CDPHE	CDPHE	CDPHE	CDPHE									Nothing extra planned for this site

wind lidar MPL (2)

2D MAX-DOAS : NO2, CHOCHO, CH2O

Strawman P-3B Flight Plan

Waypoint	Lat deg	Lat min	Lon deg	Lon min	Latitude	Longitude
RMMA	39	54.5025	-105	6.91704	39.908375	-105.115284
NOAA-Table Mtn.	40	7.48446	-105	14.21874	40.124741	-105.236979
Fort Collins-West	40	35.5677	-105	8.4846	40.592795	-105.141410
Platteville	40	10.9659	-104	43.566	40.182765	-104.726100
Greeley-Weld Co. Airport	40	26.48262	-104	37.87128	40.441377	-104.631188
Weld Co. Tower	40	23.1816	-104	44.2467	40.386360	-104.737445
Platteville	40	10.9659	-104	43.566	40.182765	-104.726100
Denver-LaCasa Ncore	39	46.7694	-105	0.3108	39.779490	-105.005180
NREL-S. Table Mtn.	39	44.6235	-105	10.6794	39.743725	-105.177990
BAO Tower	40	3.0018	-105	0.2301	40.050030	-105.003835
Parkland Airstrip	40	4.25124	-105	1.6518	40.070854	-105.027530
Denver-LaCasa Ncore	39	46.7694	-105	0.3108	39.779490	-105.005180
Chatfield Park	39	32.07	-105	4.2219	39.534500	-105.070365
Welch	39	38.3268	-105	8.3706	39.638780	-105.139510
NREL-S. Table Mtn.	39	44.6235	-105	10.6794	39.743725	-105.177990
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RMMA	39	54.5025	-105	6.91704	39.908375	-105.115284

Speed (m/s)	Delay (min)	Altitude (AGL)	P-Alt (feet)
113		0	
113		1000	
113	15	1000	
113	15		18000
113		1000	
113		1000	
113		1000	
113		1000	
113	15	1000	
113	15		18000
113		1000	
113	15	1000	
113	15		18000
113		1000	
113		1000	
113		1000	
113	15	1000	
113	15		18000
113		1000	
113		1000	
113		1000	
113	15	1000	
113	15		18000
113		1000	
113	15	1000	
113	15		18000
113		1000	
113		1000	
113		1000	
113	15	1000	
113	15		18000
113		1000	
113	15	1000	
113	15		18000
113		1000	
113		1000	
113		0	

Comment

Takeoff

Spiral up - missed approach before spiral? (airfield closed)

Spiral down to 1000 ft AGL

Missed approach

Spiral up to 18000

Spiral down to 1000 ft AGL

Missed Approach

Spiral up to 18000

Spiral down to 1000 ft AGL

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Spiral up - missed approach before spiral? (airfield closed)

Spiral down to 1000 ft AGL

Missed approach

Spiral up to 18000

Spiral down to 1000 ft AGL

Missed Approach

Spiral up to 18000

Spiral down to 1000 ft AGL

Landing

Flight Plan TBD until P-3B flight plan and ground site plans are finalized