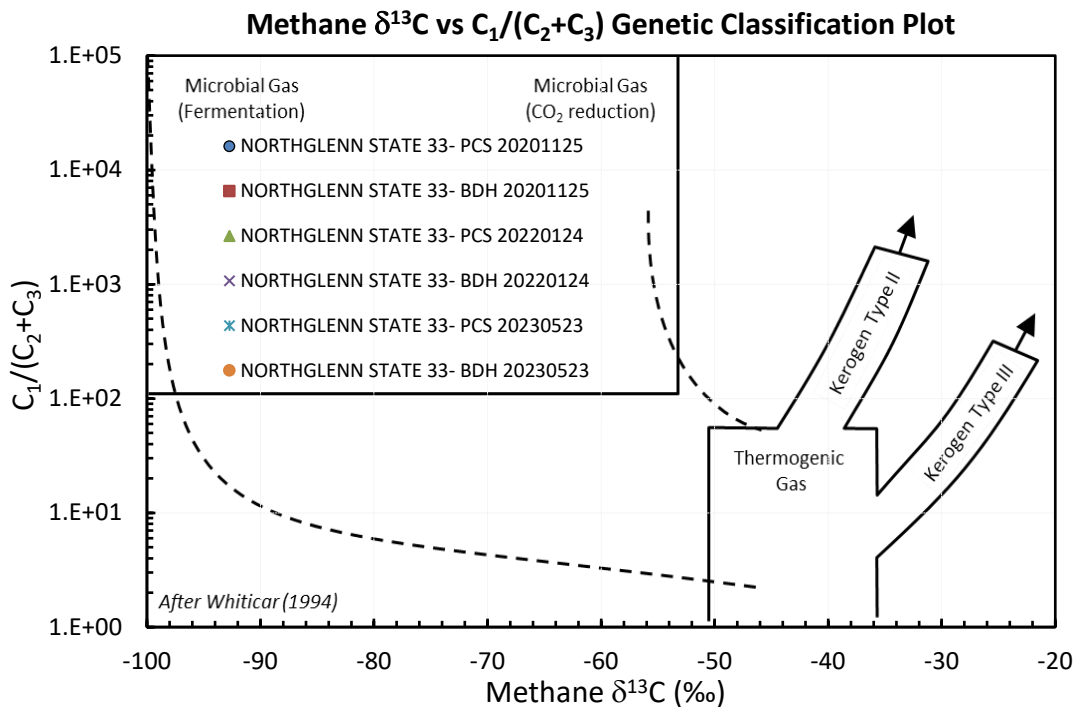
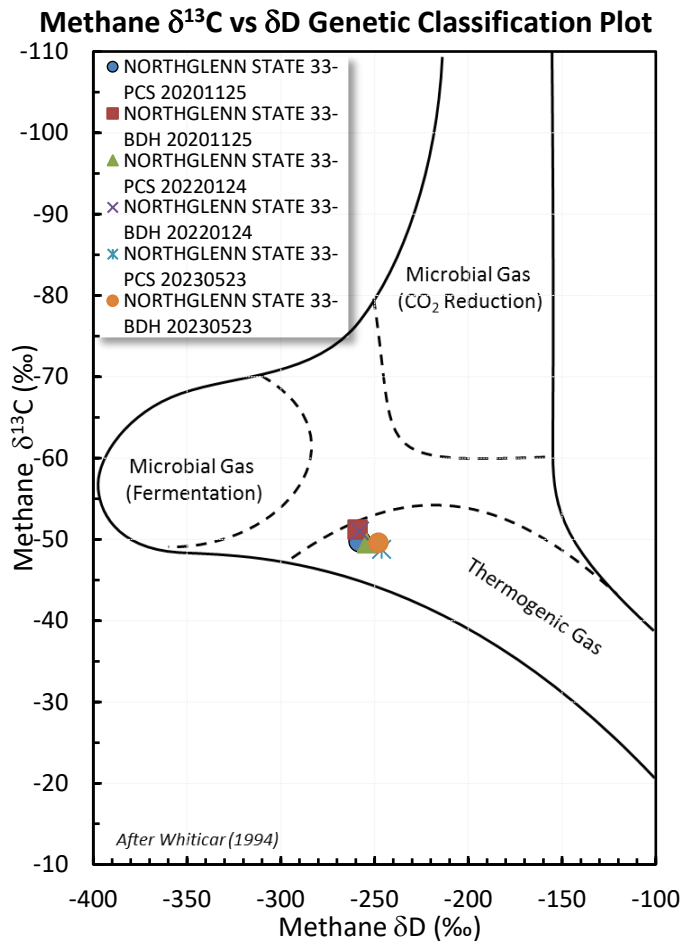
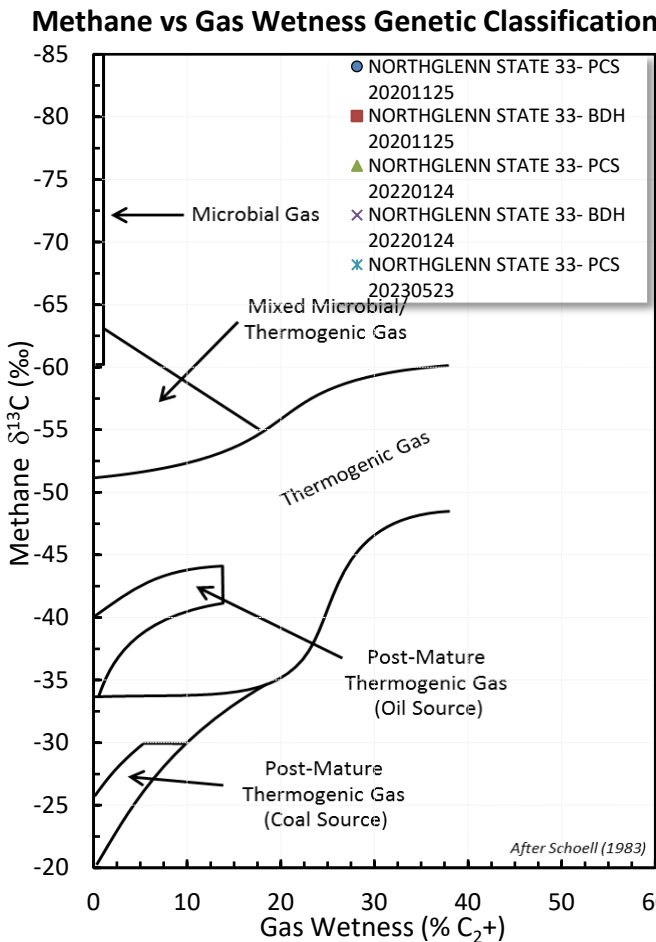
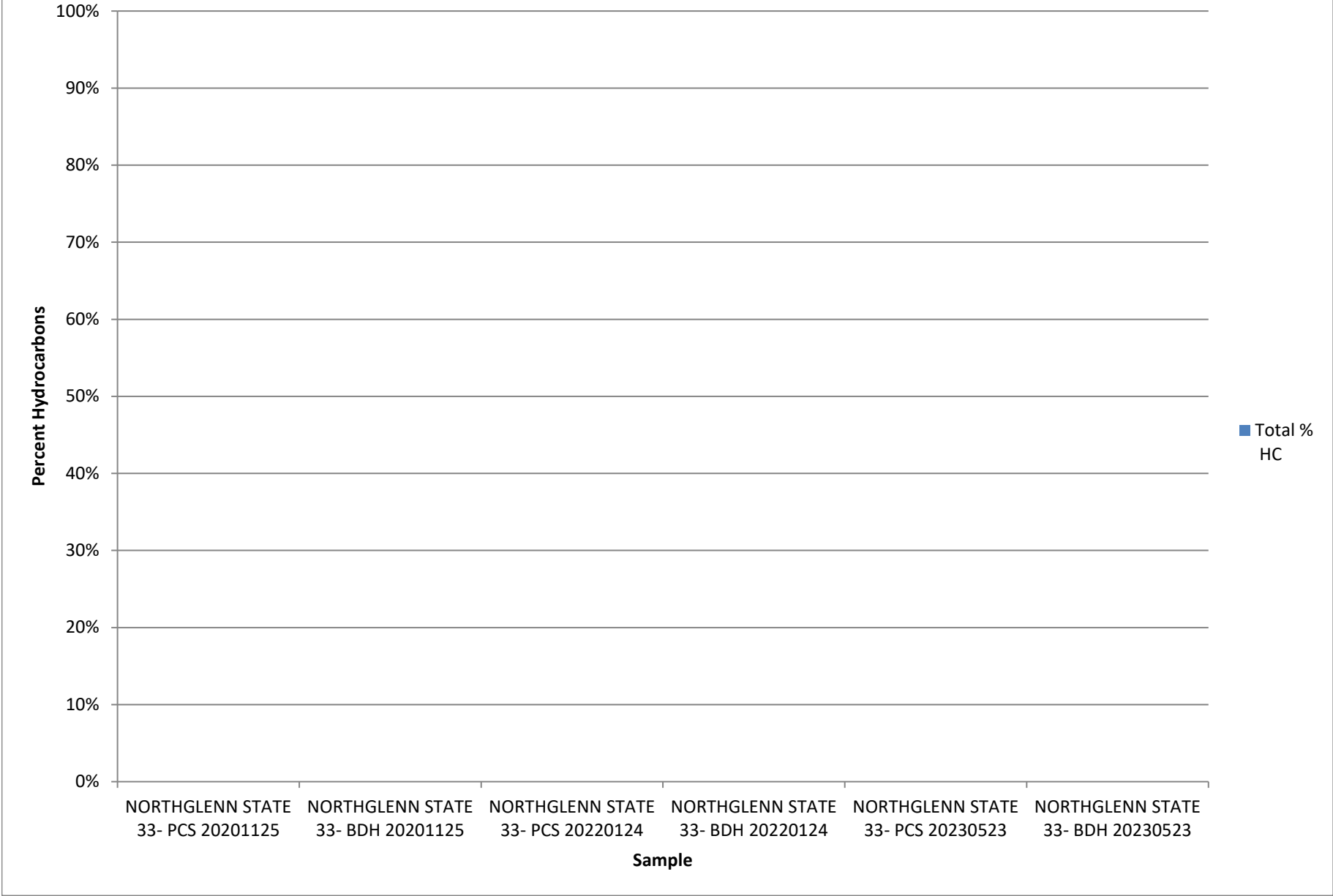


Stable Isotope Interpretive Plots



Total Percent Hydrocarbons



GAS COMPOSITION

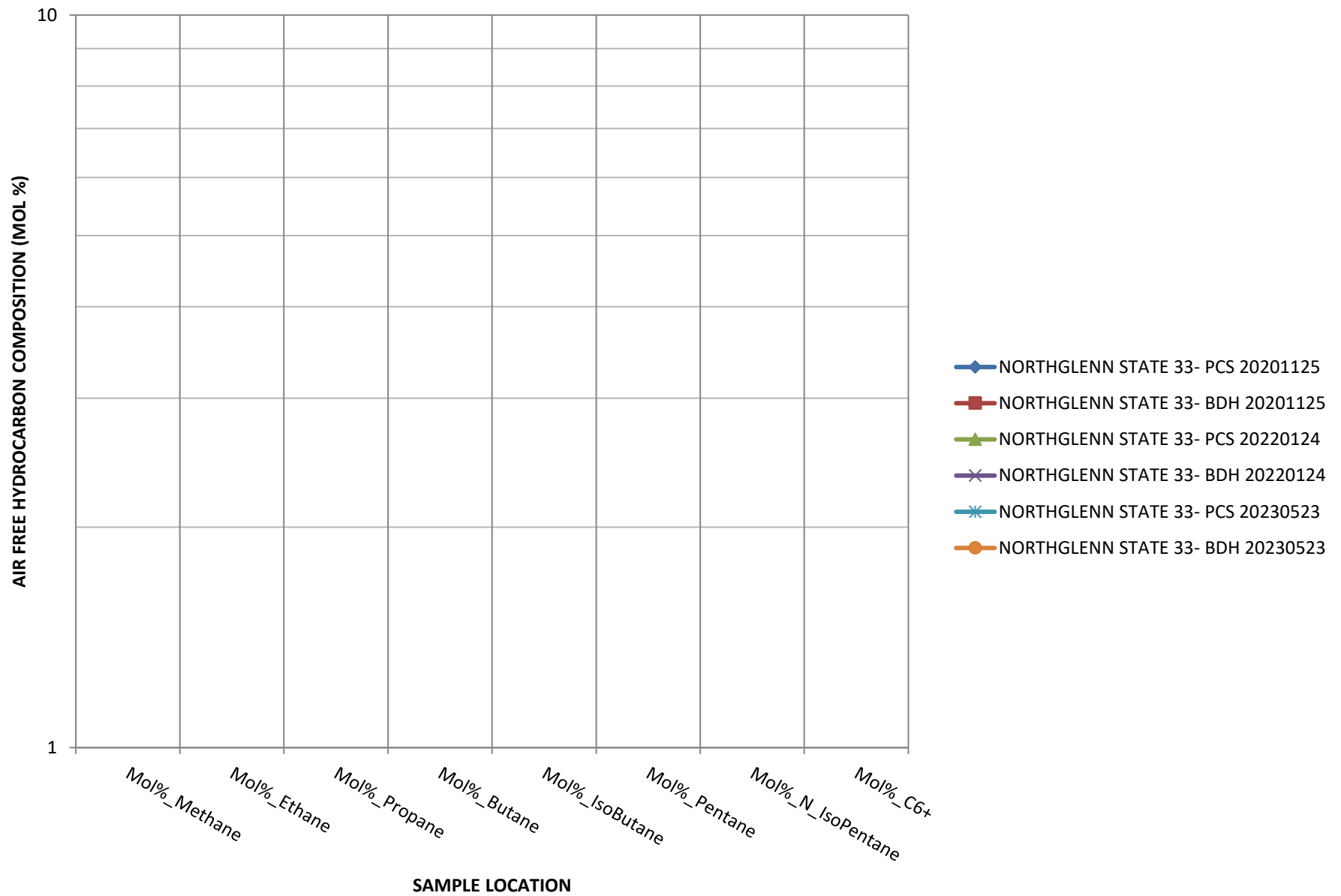
Legend:

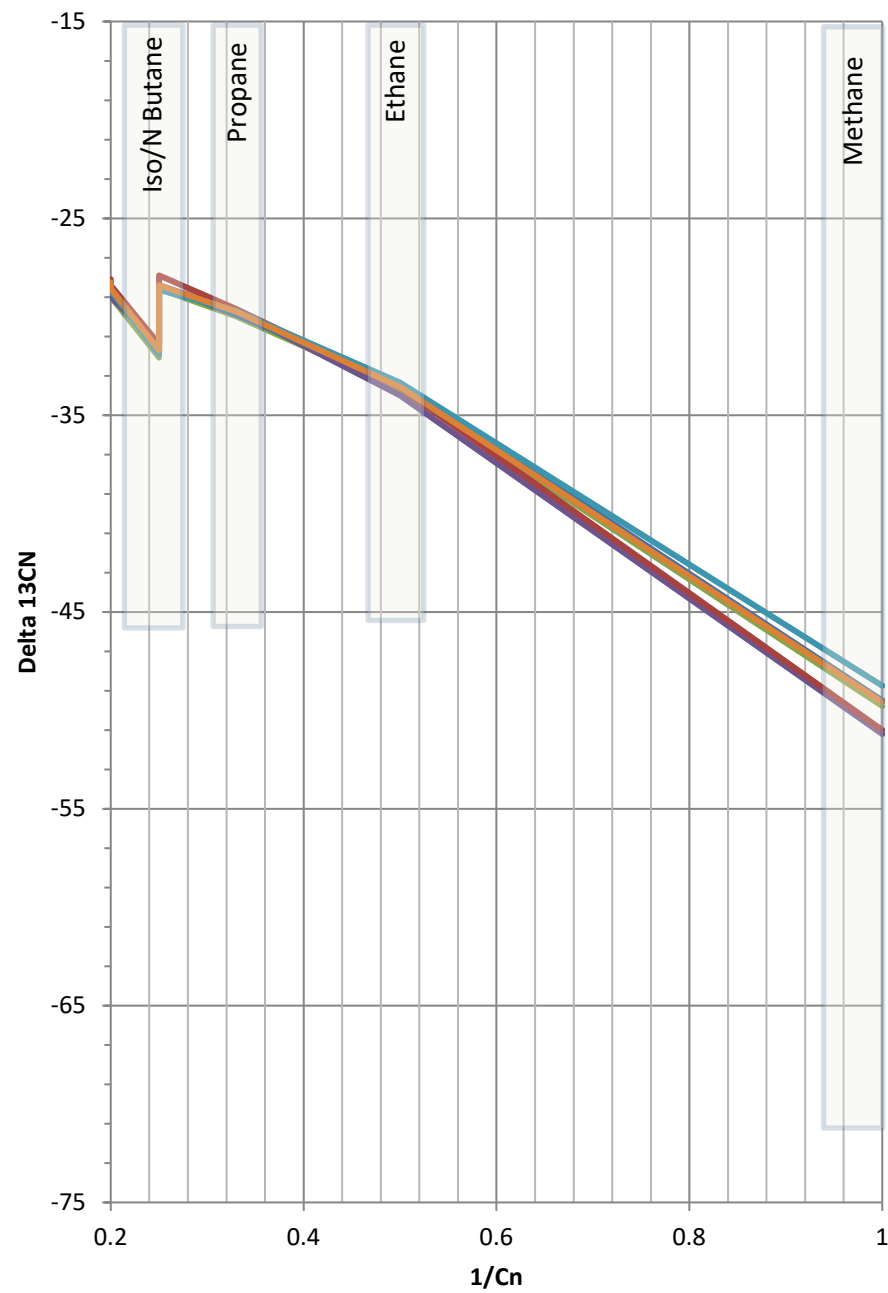
- NORTHGLENN STATE 33- PCS 20201125
- NORTHGLENN STATE 33- BDH 20201125
- NORTHGLENN STATE 33- PCS 20220124
- NORTHGLENN STATE 33- BDH 20220124
- NORTHGLENN STATE 33- PCS 20230523

Parameter	NORTHGLENN STATE 33- PCS 20201125	NORTHGLENN STATE 33- BDH 20201125	NORTHGLENN STATE 33- PCS 20220124	NORTHGLENN STATE 33- BDH 20220124	NORTHGLENN STATE 33- PCS 20230523
Mol%_Nitrogen	0.6	1.3	0.6	5.0	1.1
Mol%_Oxygen	0.06	0.13	0.04	1.2	0.07
Mol%_Argon	0.001	0.012	0.001	0.05	0.001
Mol%_O2+AR	1.6	0.015	0.13	0.018	1.4
Mol%_CarbonDioxide	0.001	0.025	0.012	0.022	0.001
Mol%_CarbonMonoxide	0.015	0.022	0.015	0.025	0.015
Mol%_Helium	0.001	0.001	0.001	0.001	0.001
Mol%_hydrogen	70	80	80	80	80
Mol%_Methane	13	10	13	10	11
Mol%_Ethane	6.5	4.8	5.8	4.2	5.2
Mol%_Propane	0.9	0.5	0.7	0.45	0.65
Mol%_Butane	2.3	1.0	1.8	0.75	1.8
Mol%_IsoButane	0.5	0.3	0.35	0.1	0.35
Mol%_N_Pentane	0.6	0.4	0.35	0.1	0.45
Mol%_IsoPentane	0.35	0.55	0.3	0.045	0.25
Mol%_C6+	0.001	0.001	0.001	0.001	0.001

- NORTHGLENN STATE 33- PCS
20201125
- NORTHGLENN STATE 33- BDH
20201125
- NORTHGLENN STATE 33- PCS
20220124
- NORTHGLENN STATE 33- BDH
20220124
- NORTHGLENN STATE 33- PCS
20230523

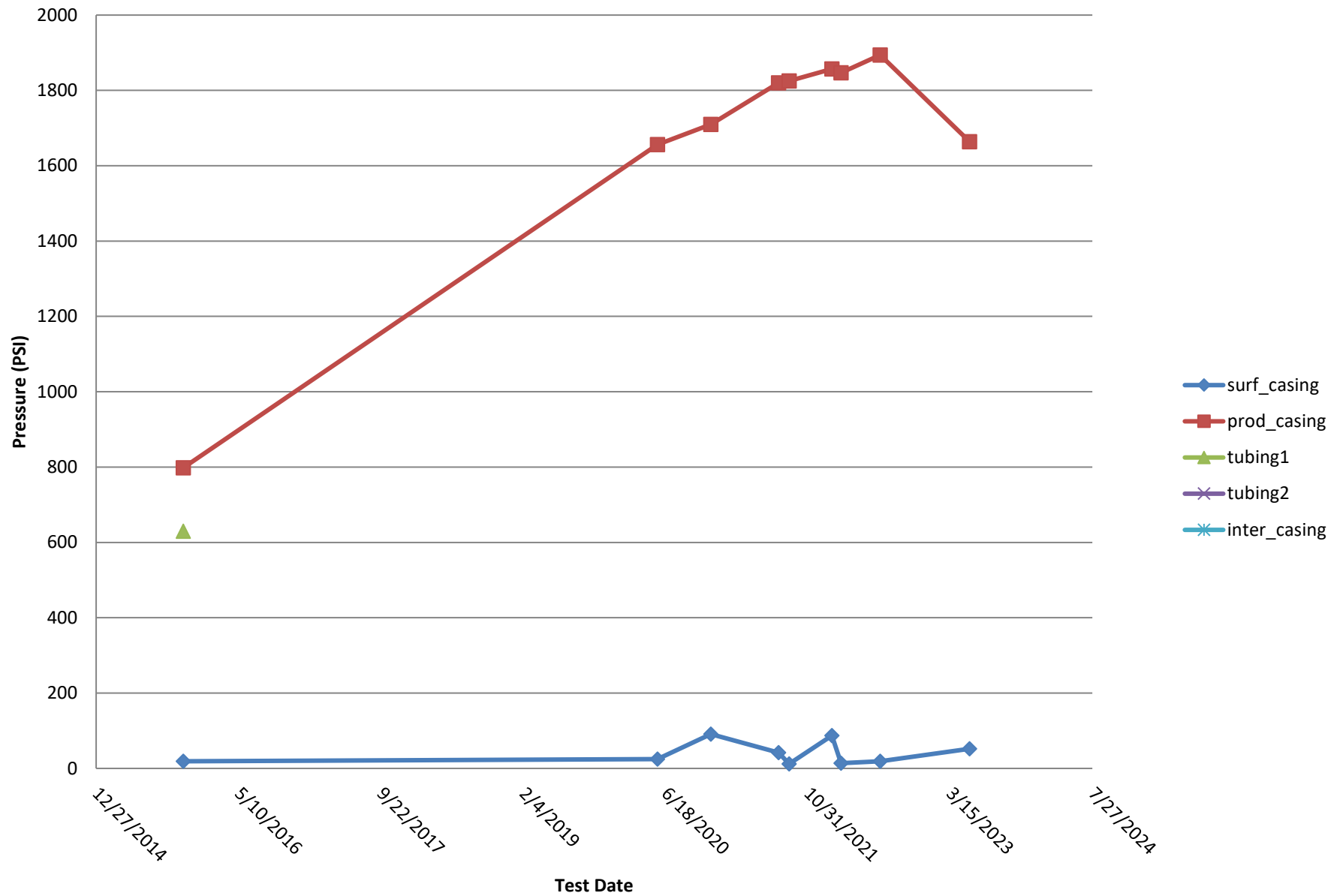
HYDROCARBON COMPOSITION





- NORTHGLENN STATE 33- PCS
- NORTHGLENN STATE 33- BDH
- NORTHGLENN STATE 33- PCS
- NORTHGLENN STATE 33- BDH
- NORTHGLENN STATE 33- PCS
- NORTHGLENN STATE 33- BDH

Bradenhead Test Summary

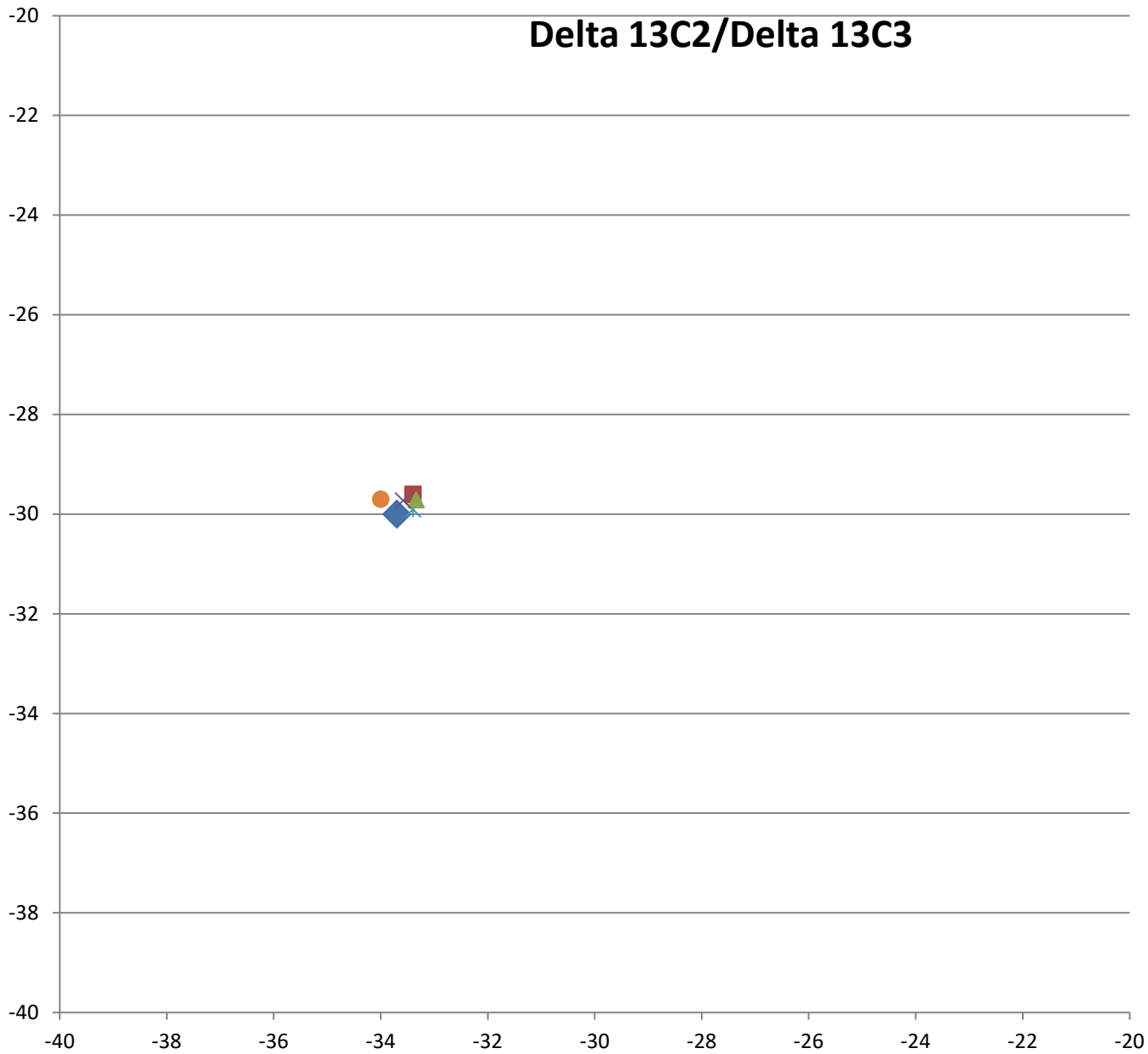


Delta 13C2/Delta 13C3

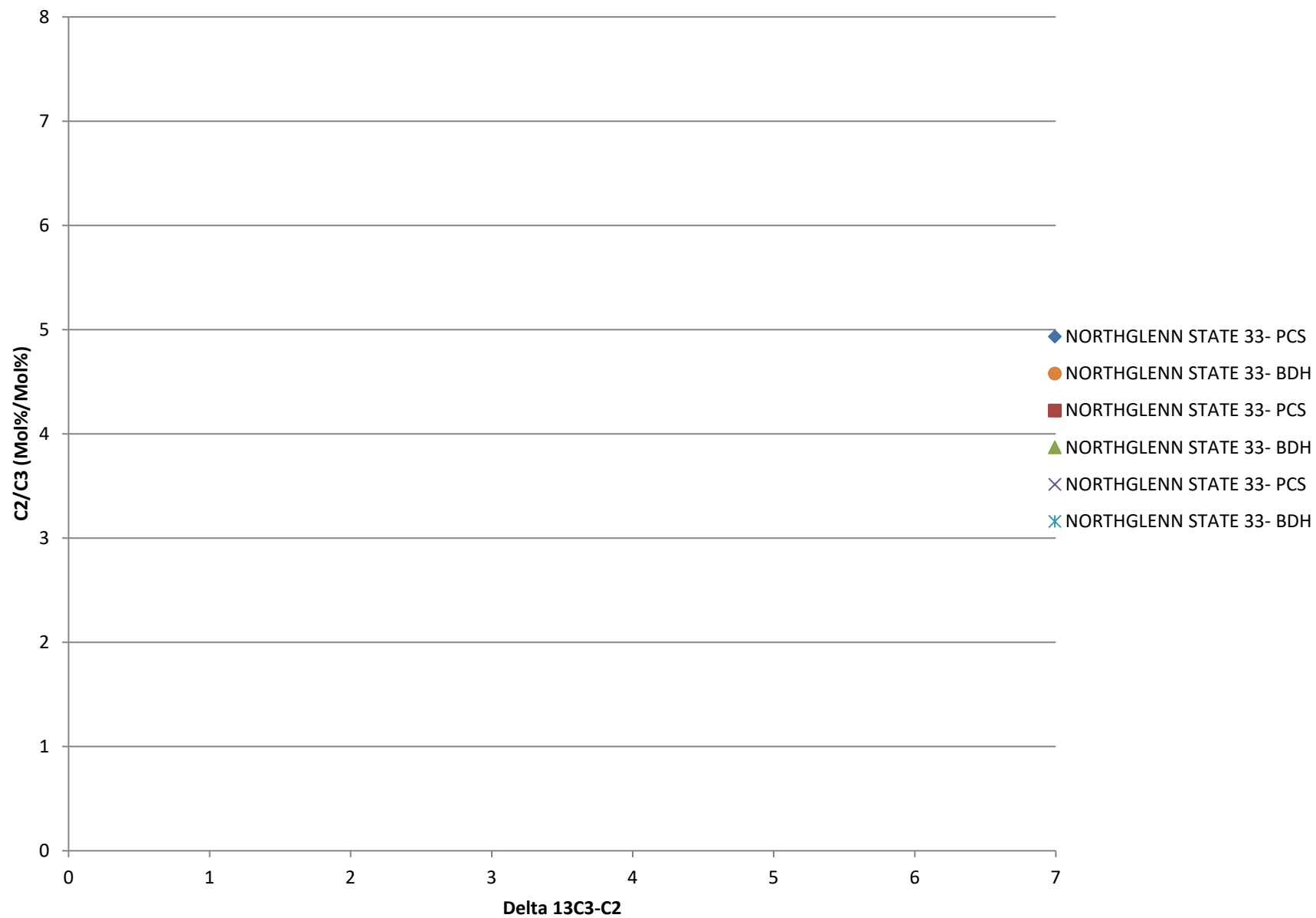
Delta 13 C3

- ◆ NORTHGLENN STATE 33- PCS
- NORTHGLENN STATE 33- BDH
- ✱ NORTHGLENN STATE 33- PCS
- NORTHGLENN STATE 33- BDH
- ▲ NORTHGLENN STATE 33- PCS
- ✕ NORTHGLENN STATE 33- BDH

Delta 13 C2



Delta13 C2/C3 vs. Delta 13C3-C2



Delta 13 IC4/ Delta NC4

