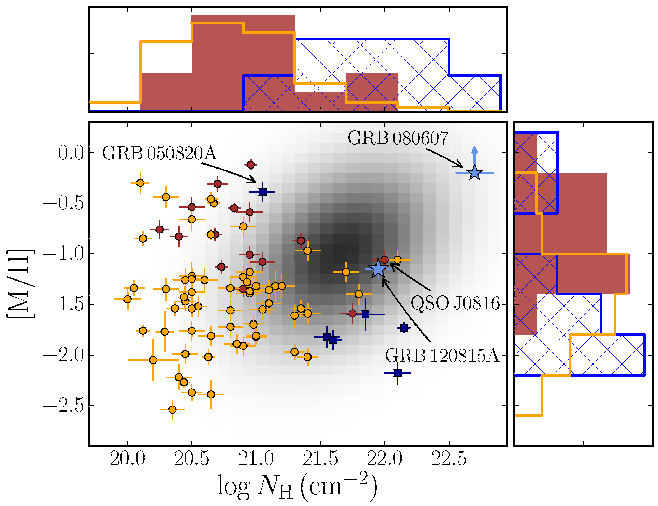
GRB 050820A
GRB 080607
QSO J0816
GRB 120815A
0.0
−0.5
−1.0
1.5
−2.0
−2.5
[M/H]
20.0
20.5
21.0
21.5
22.0
22.5
log $N_{\rm H}$ (cm^{-2})