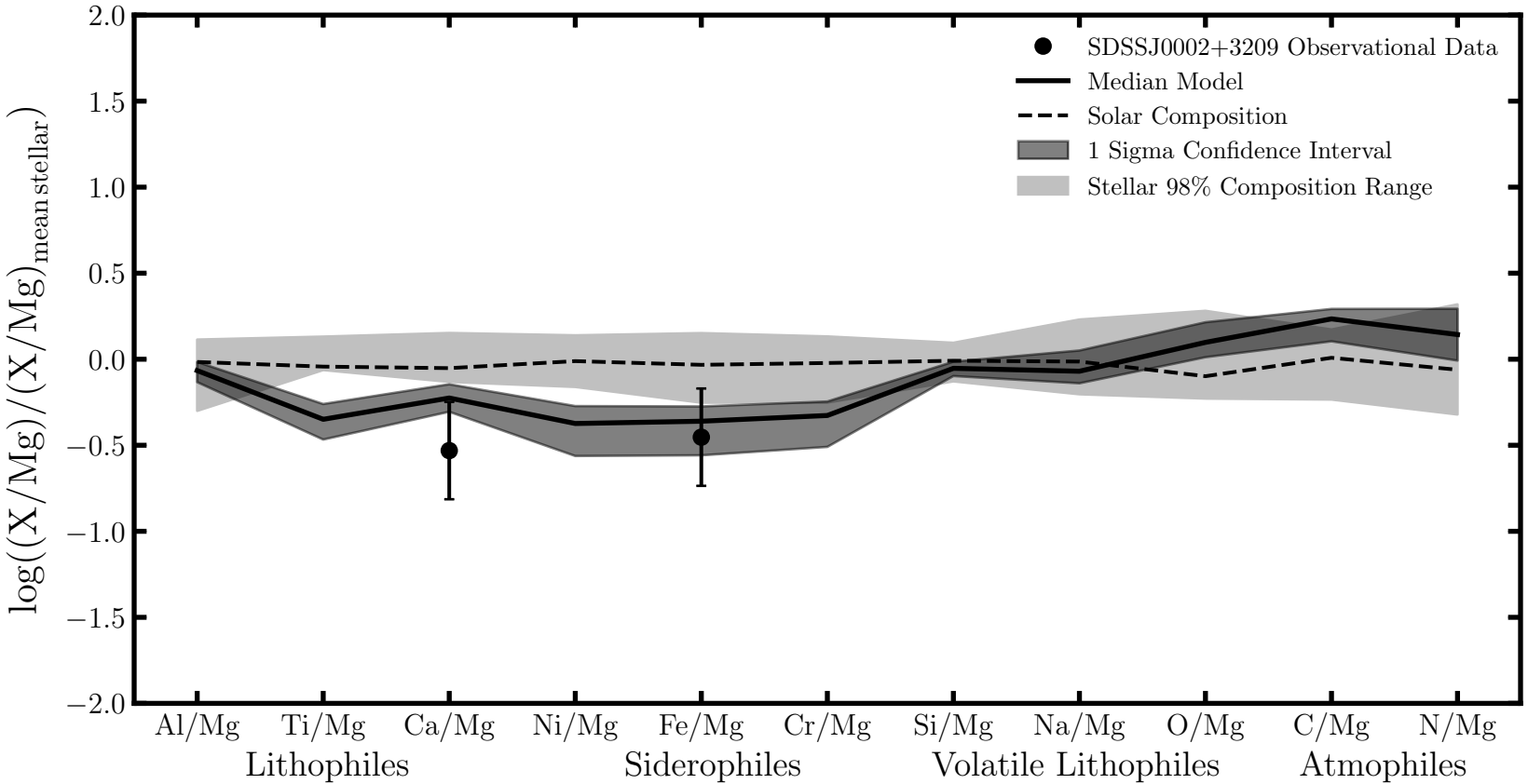
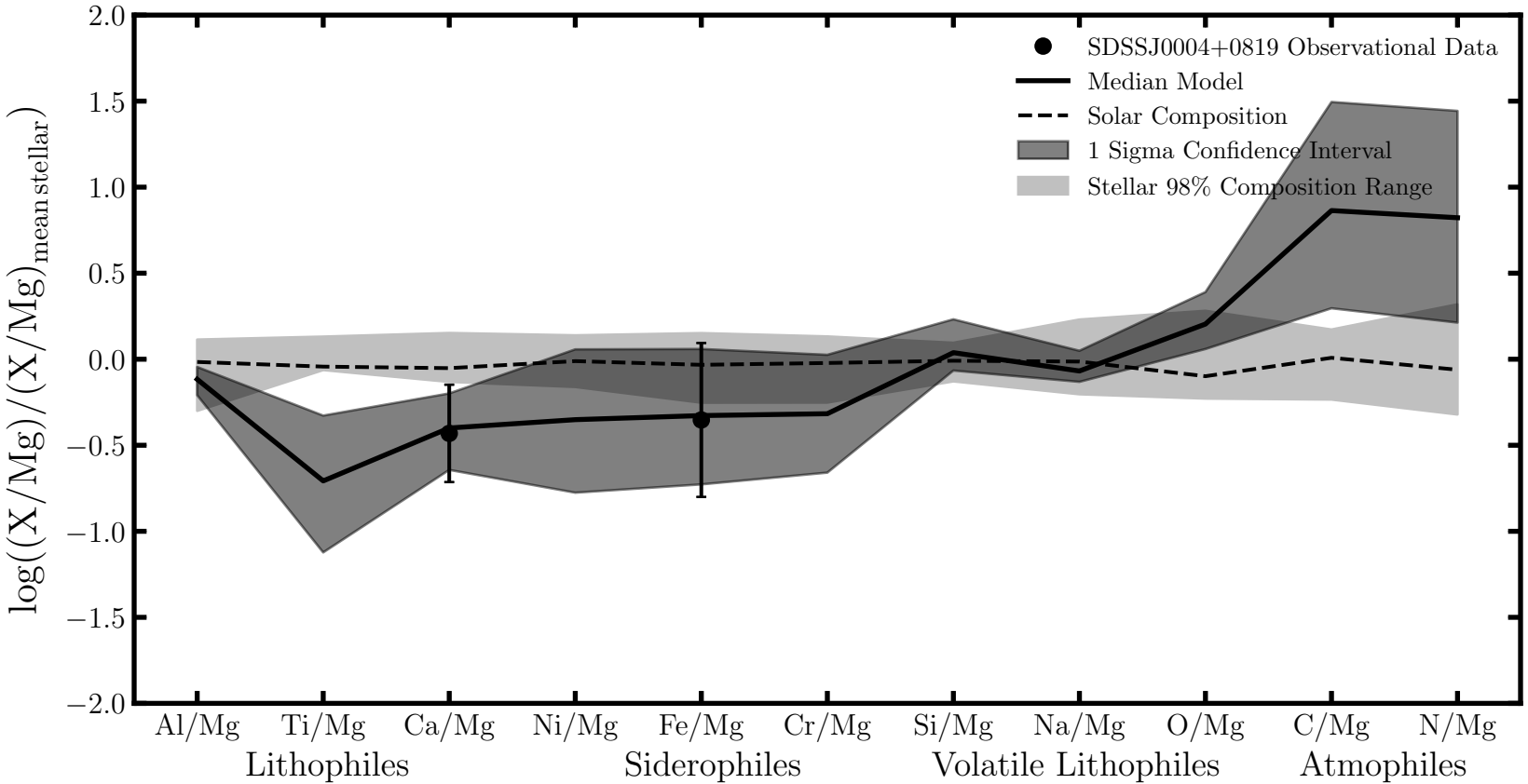
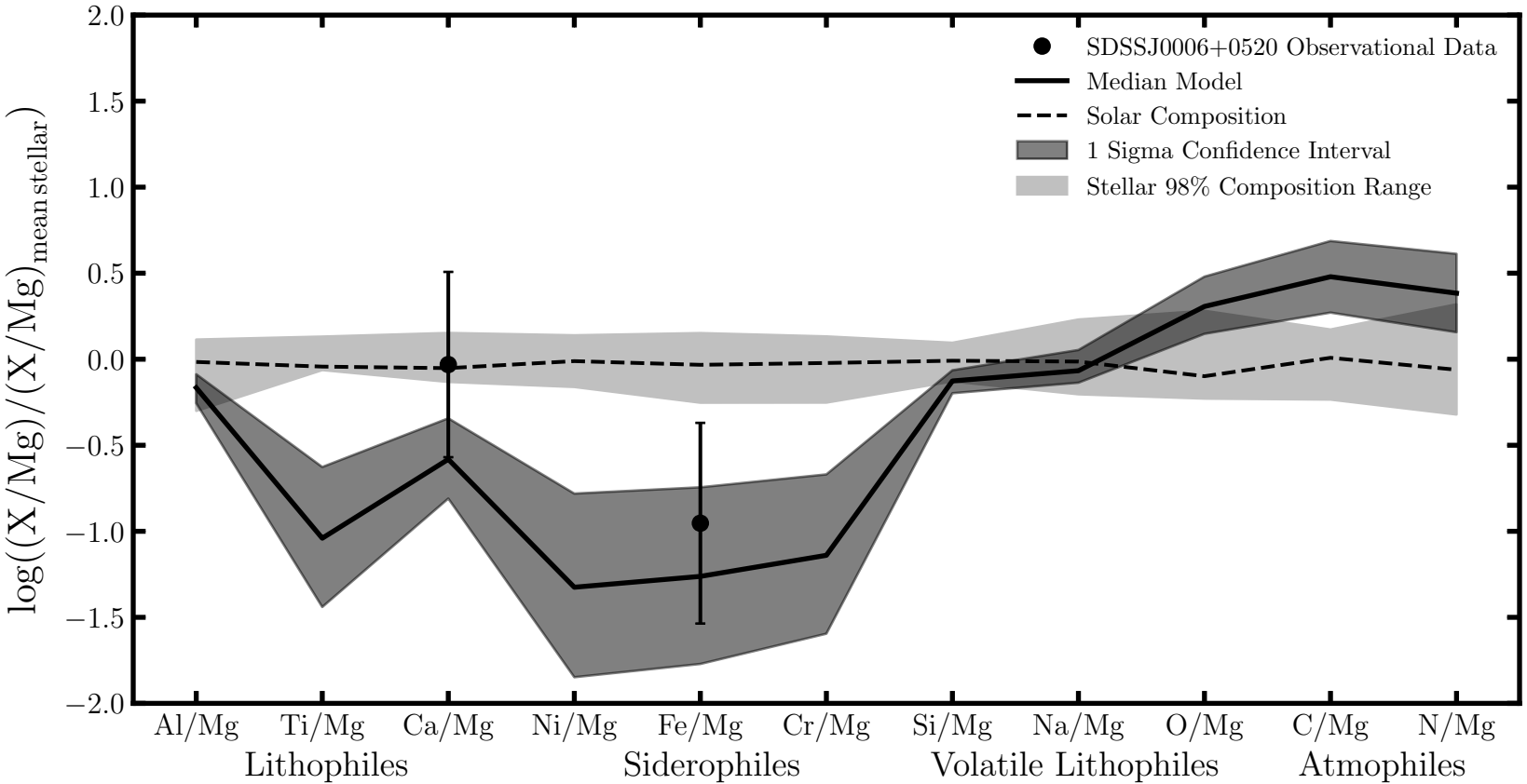
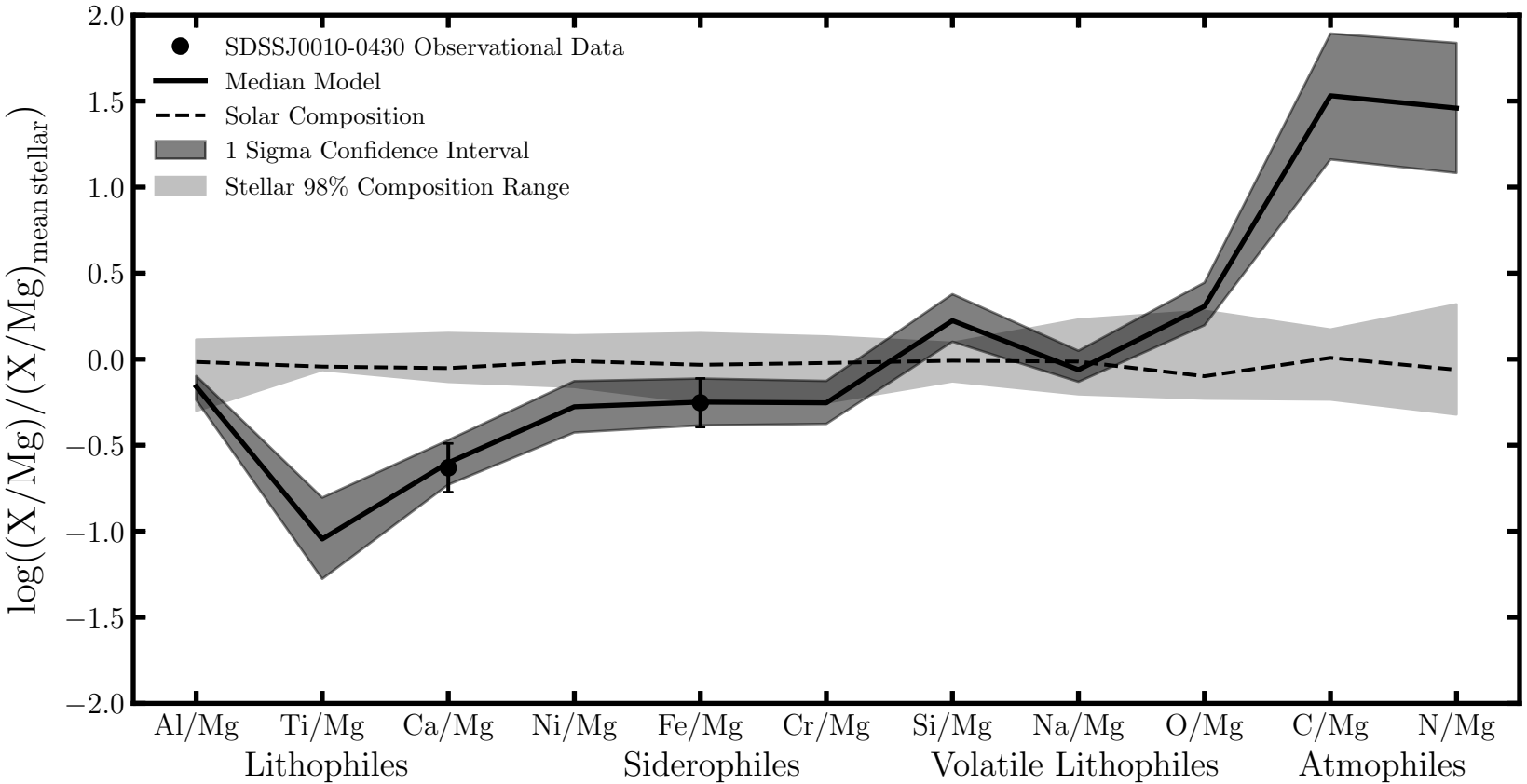
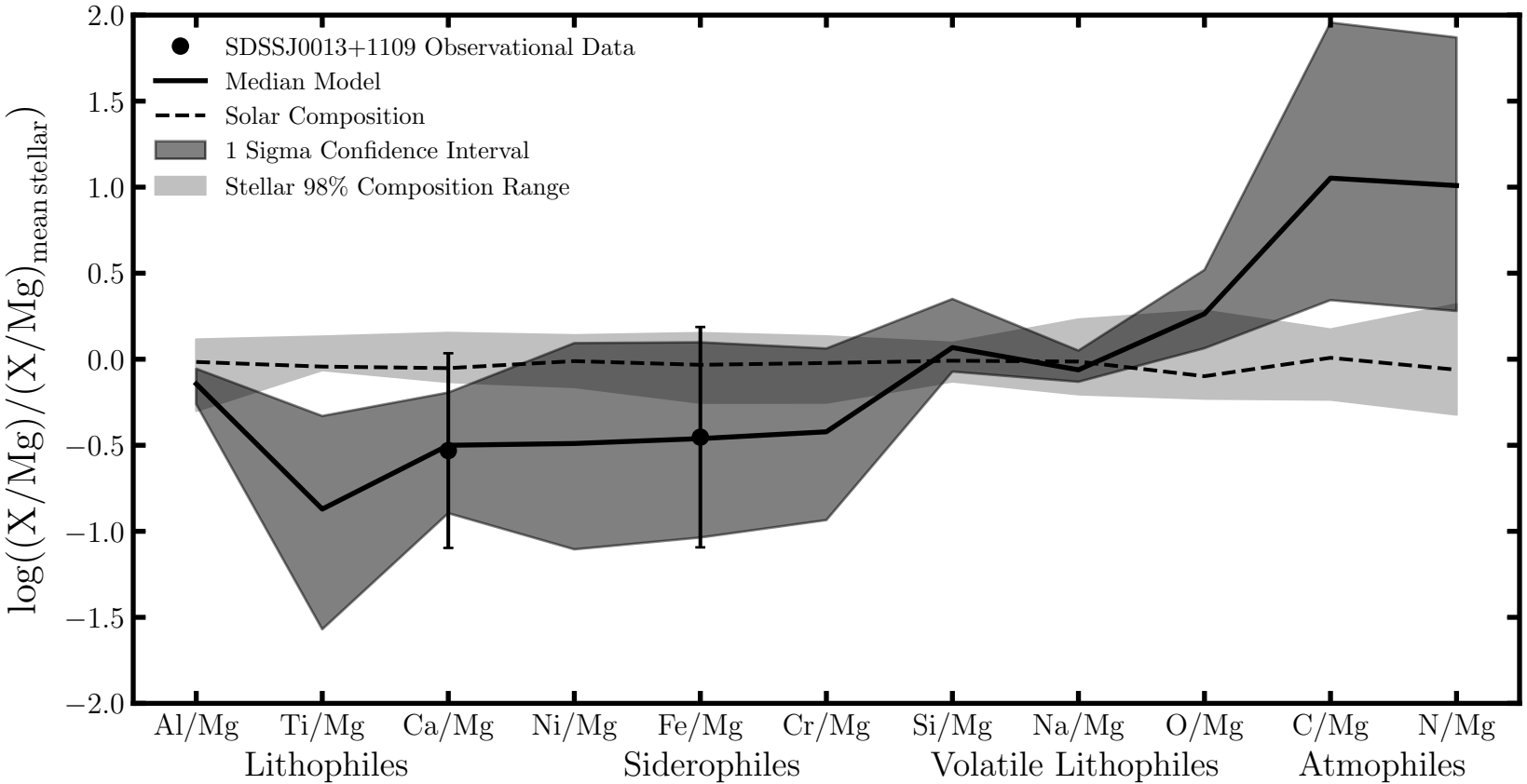
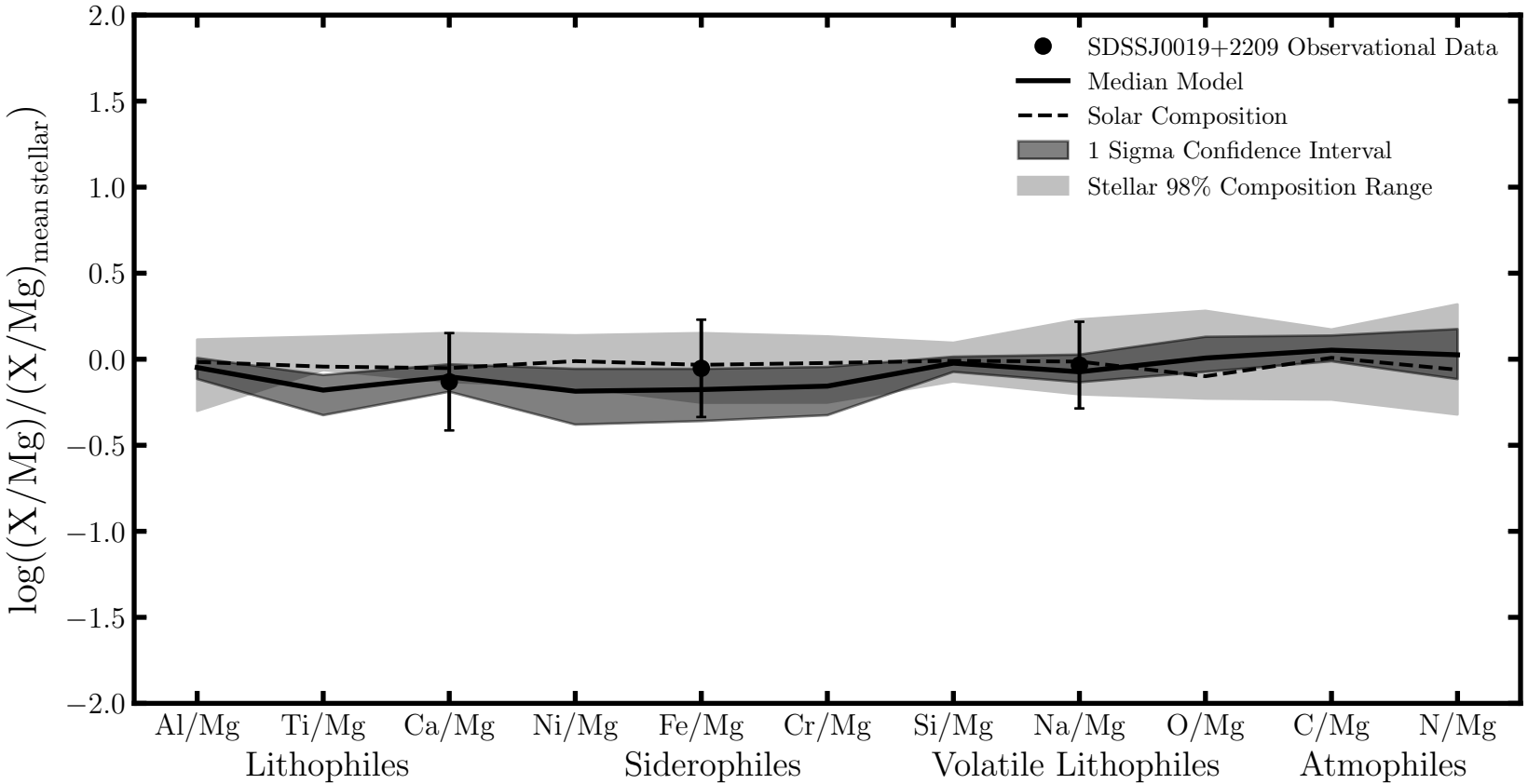

SDSSJ0002+3209 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

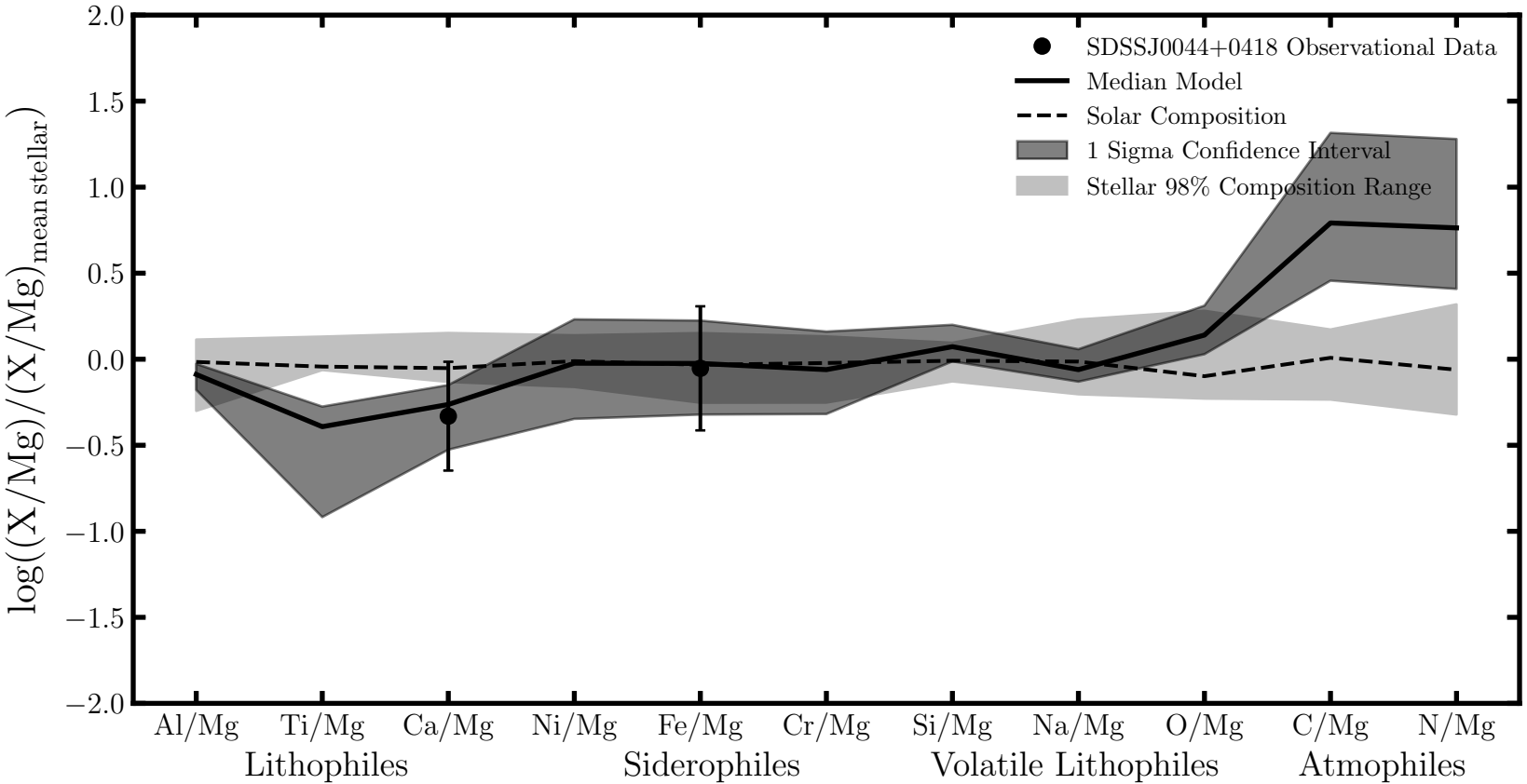

SDSSJ0004+0819 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

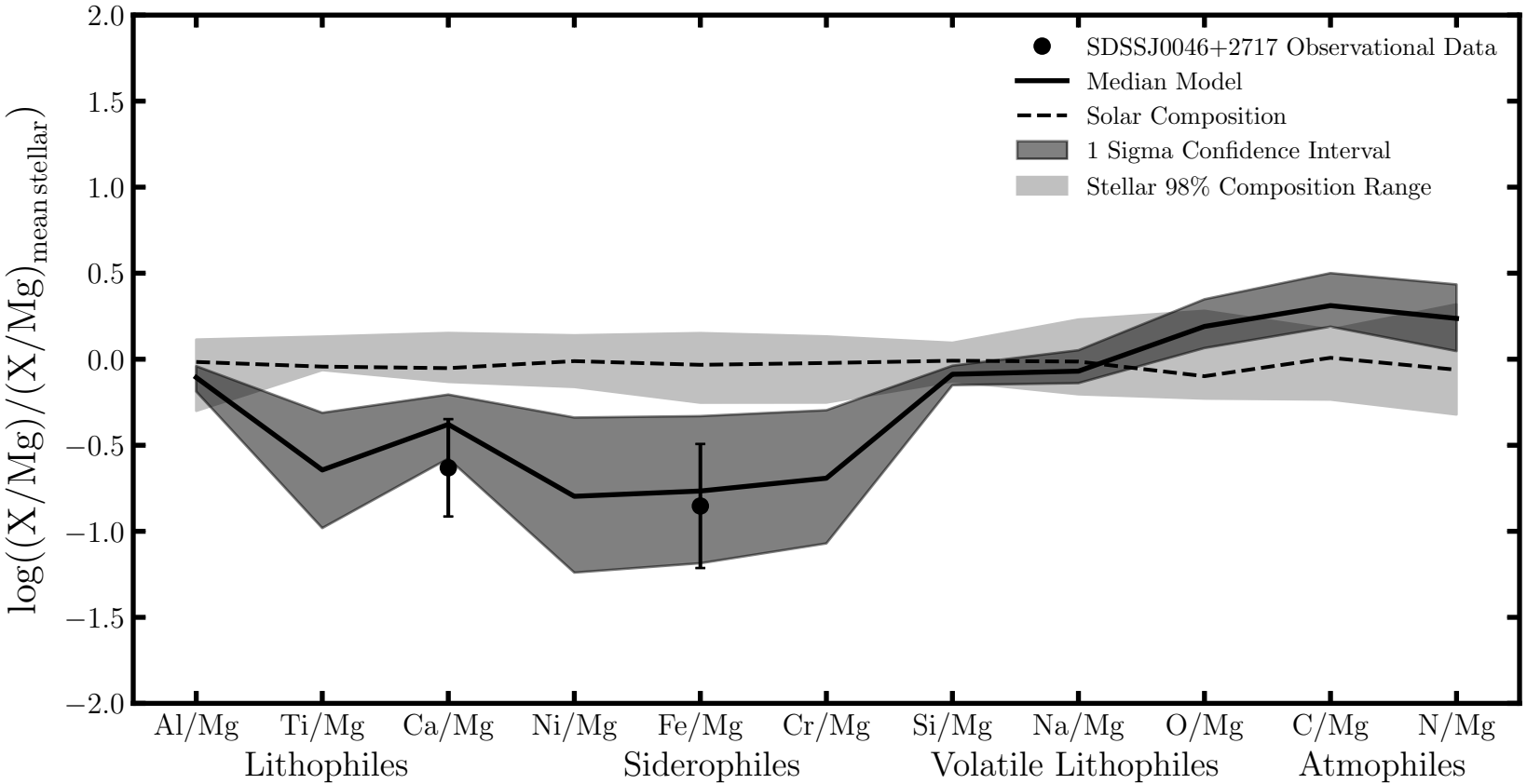

SDSSJ0006+0520 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

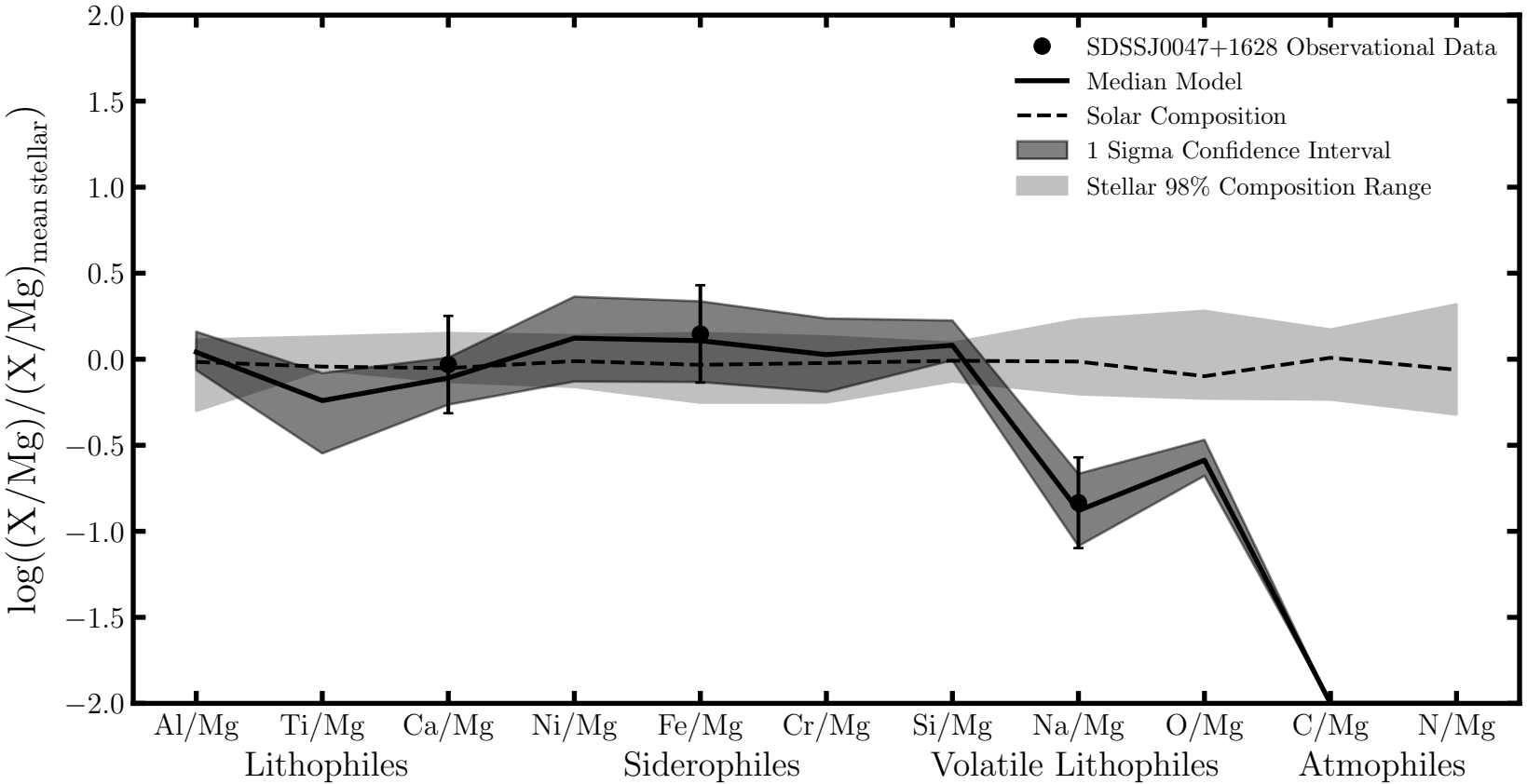

SDSSJ0010-0430 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

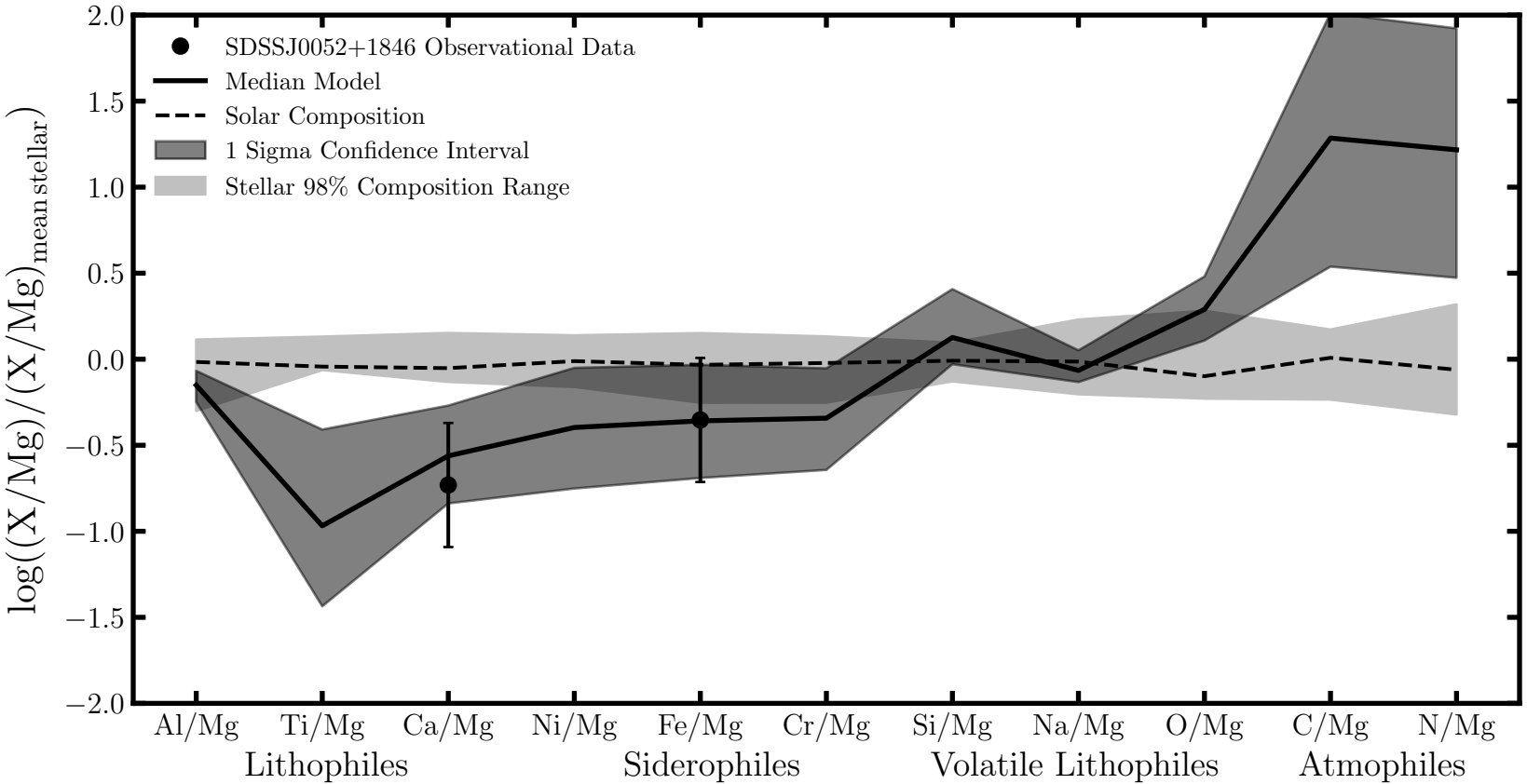

SDSSJ0013+1109 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

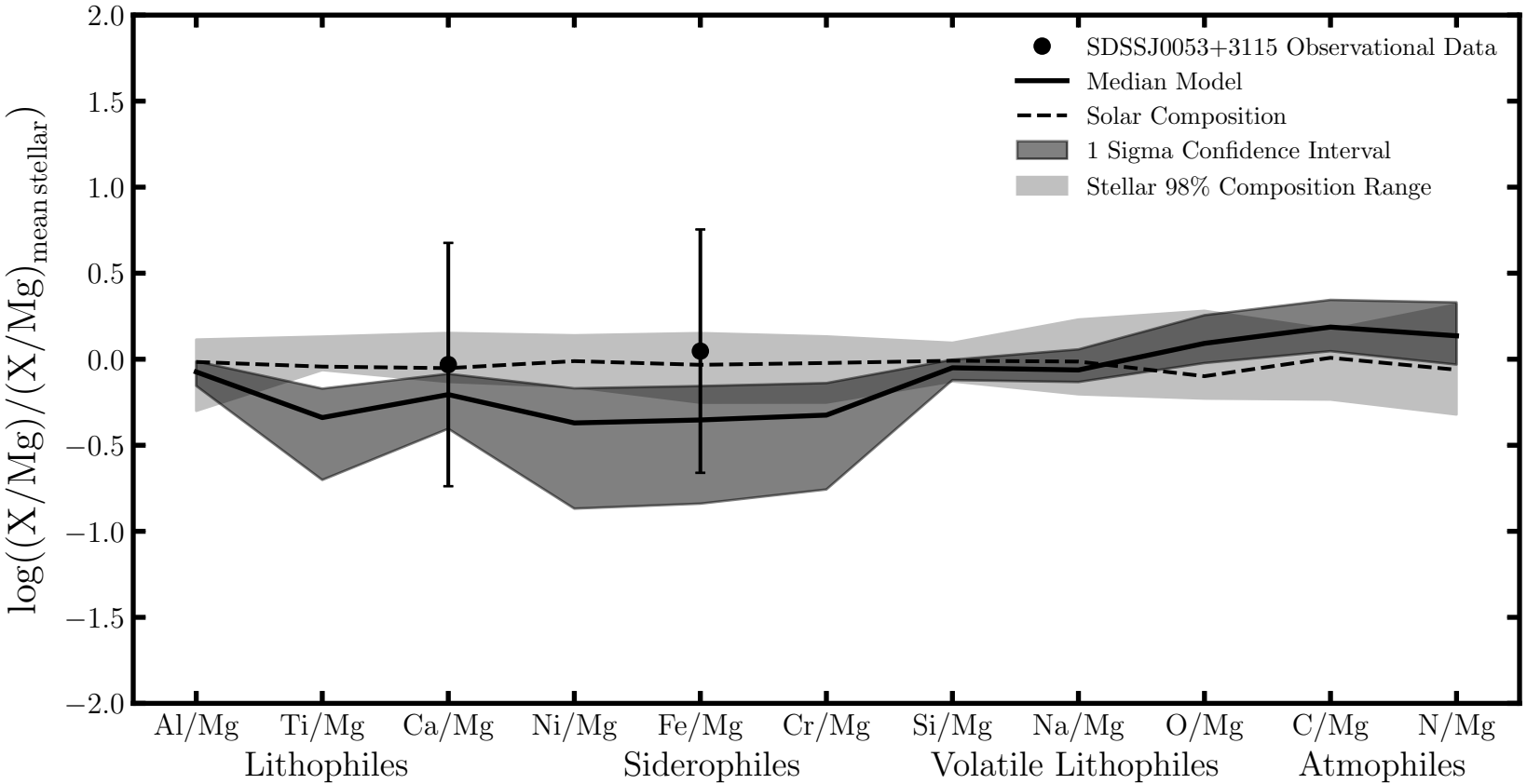

SDSSJ0019+2209 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

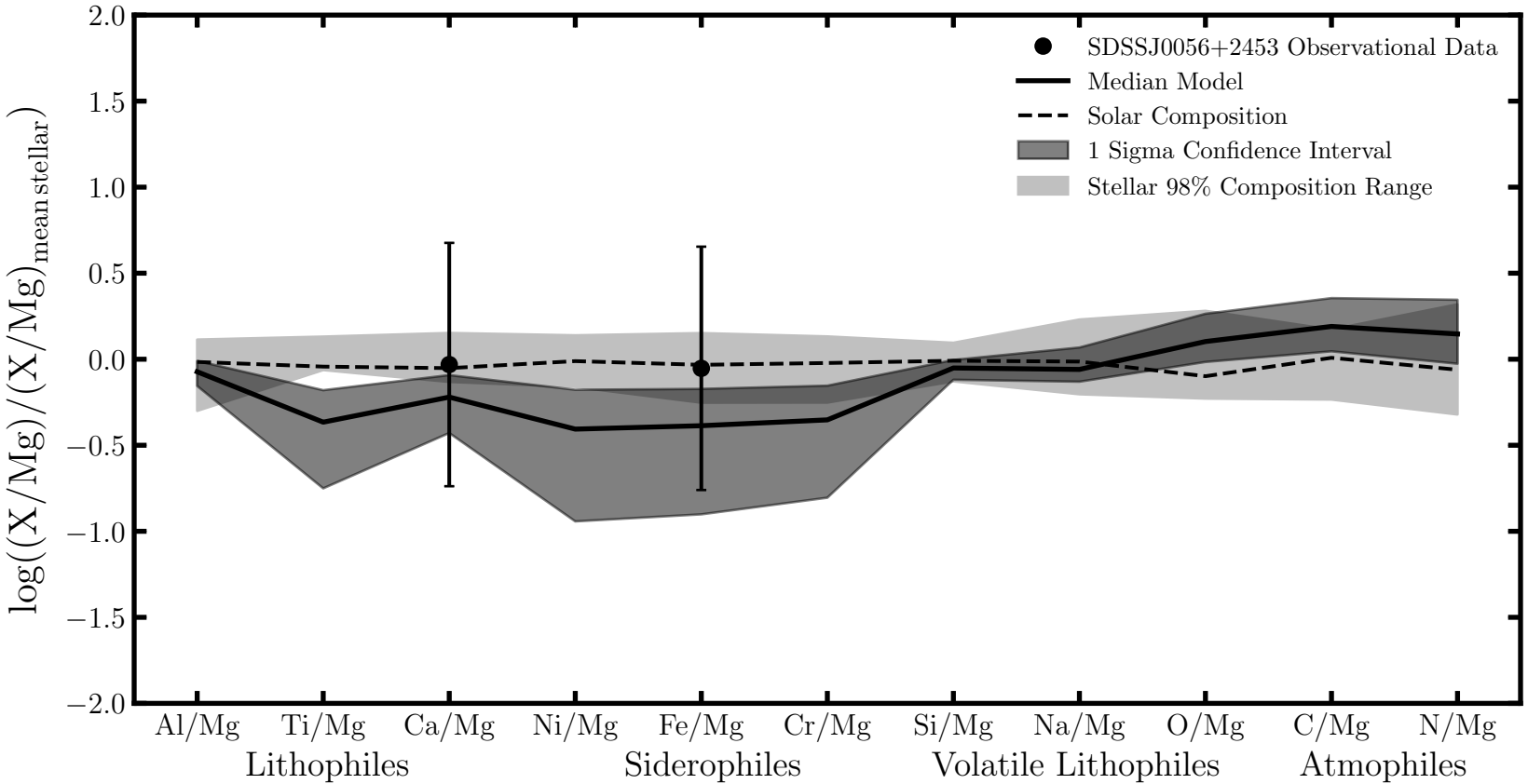

SDSSJ0044+0418 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

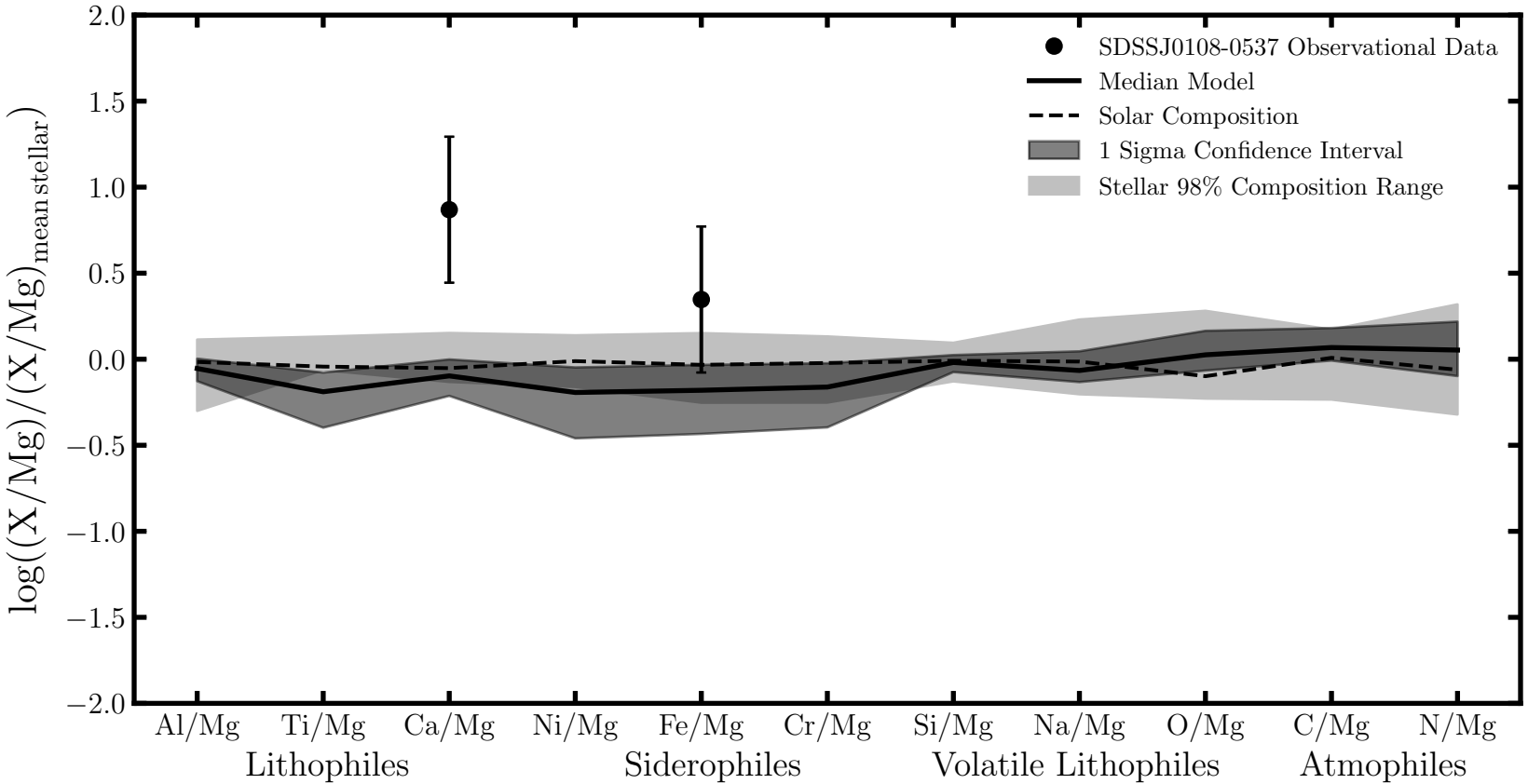

SDSSJ0046+2717 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

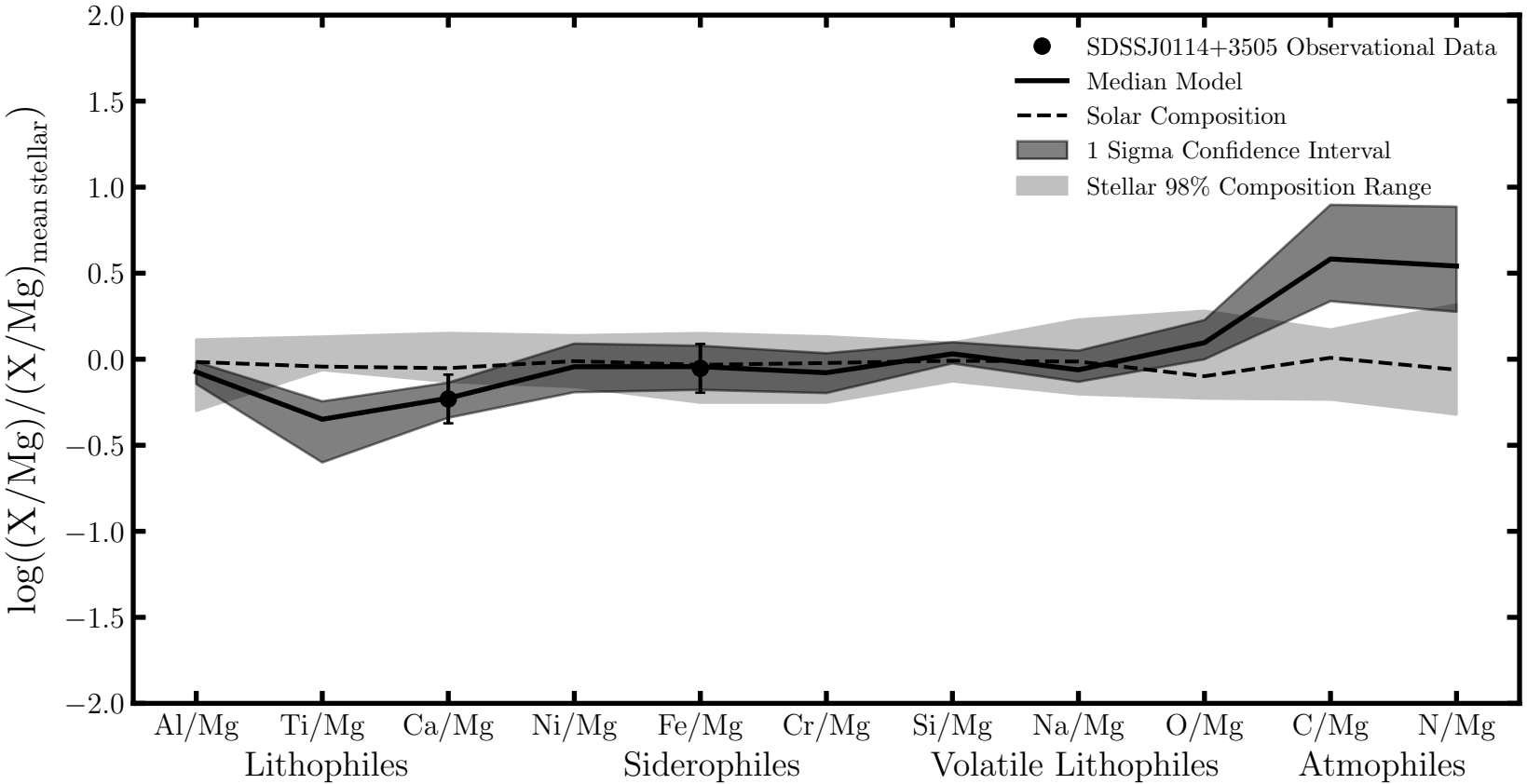

SDSSJ0047+1628 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

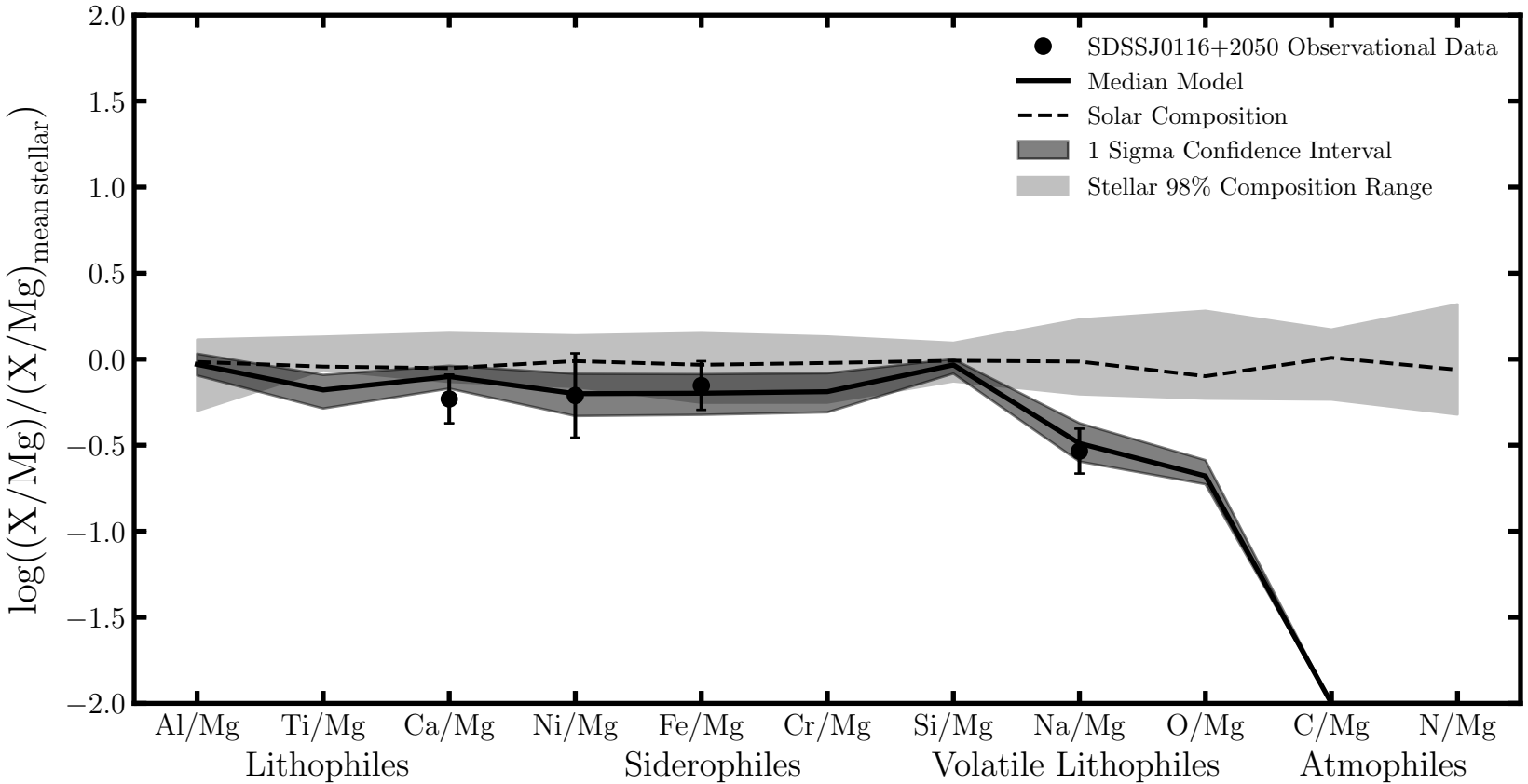

SDSSJ0052+1846 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

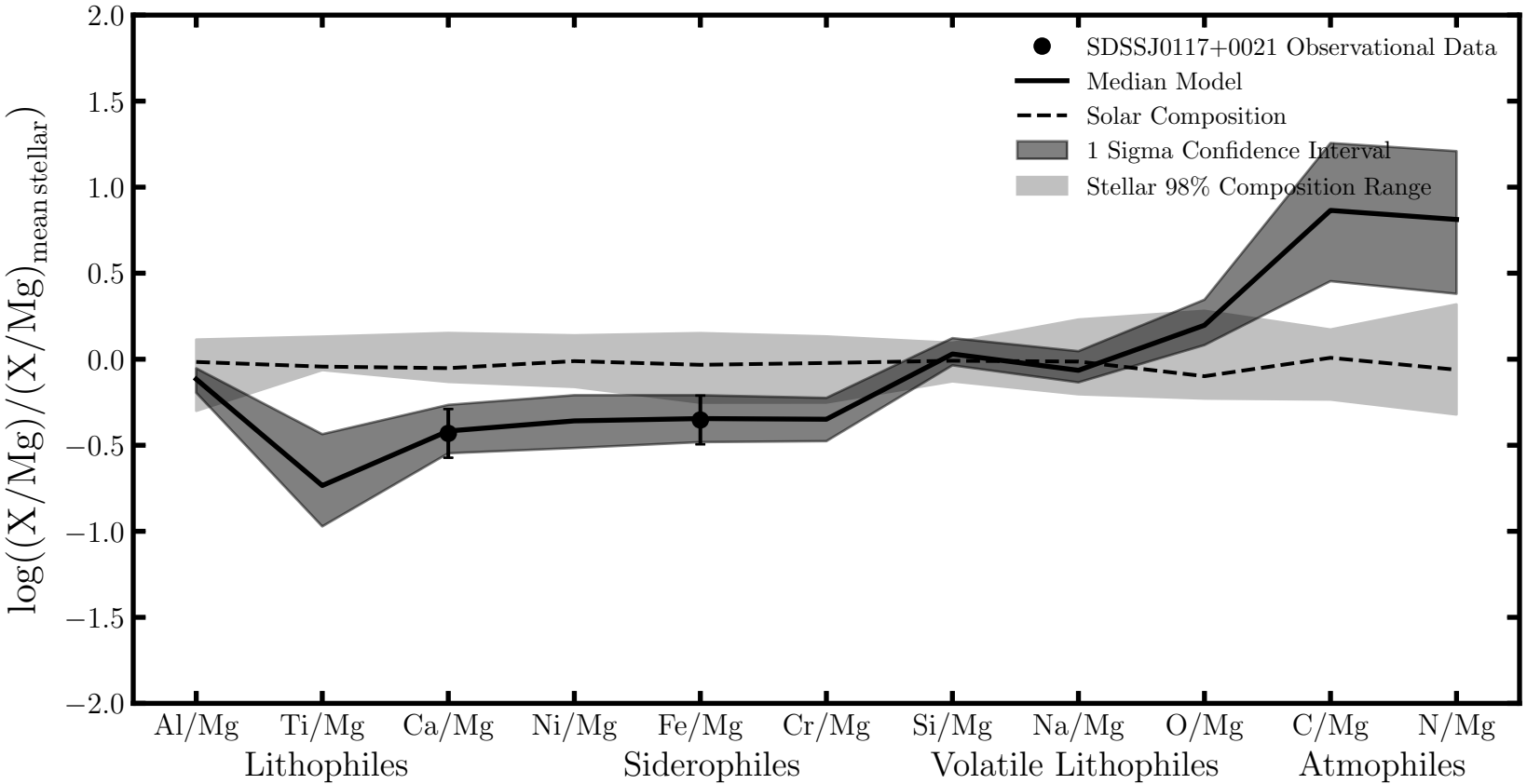

SDSSJ0053+3115 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

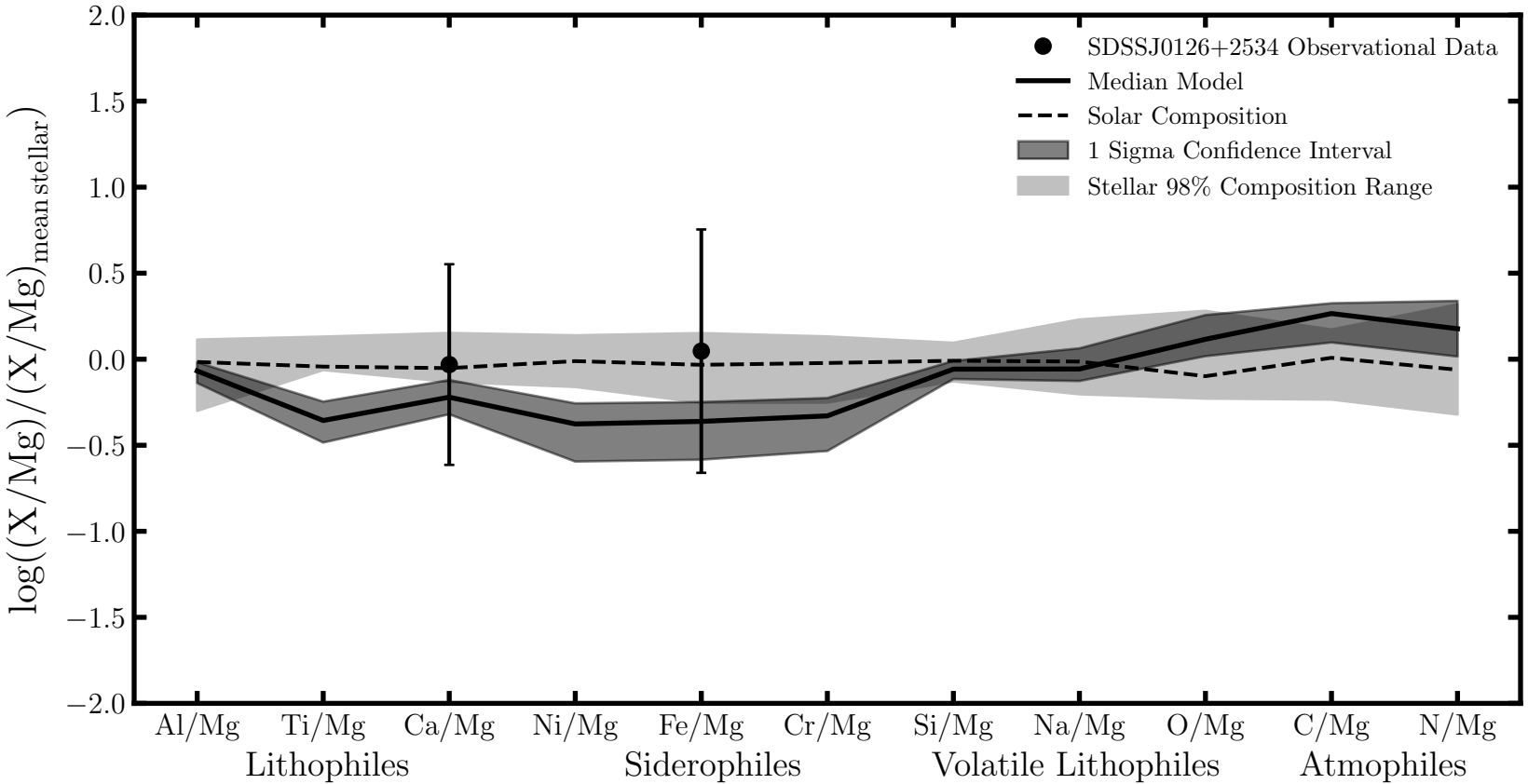

SDSSJ0056+2453 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

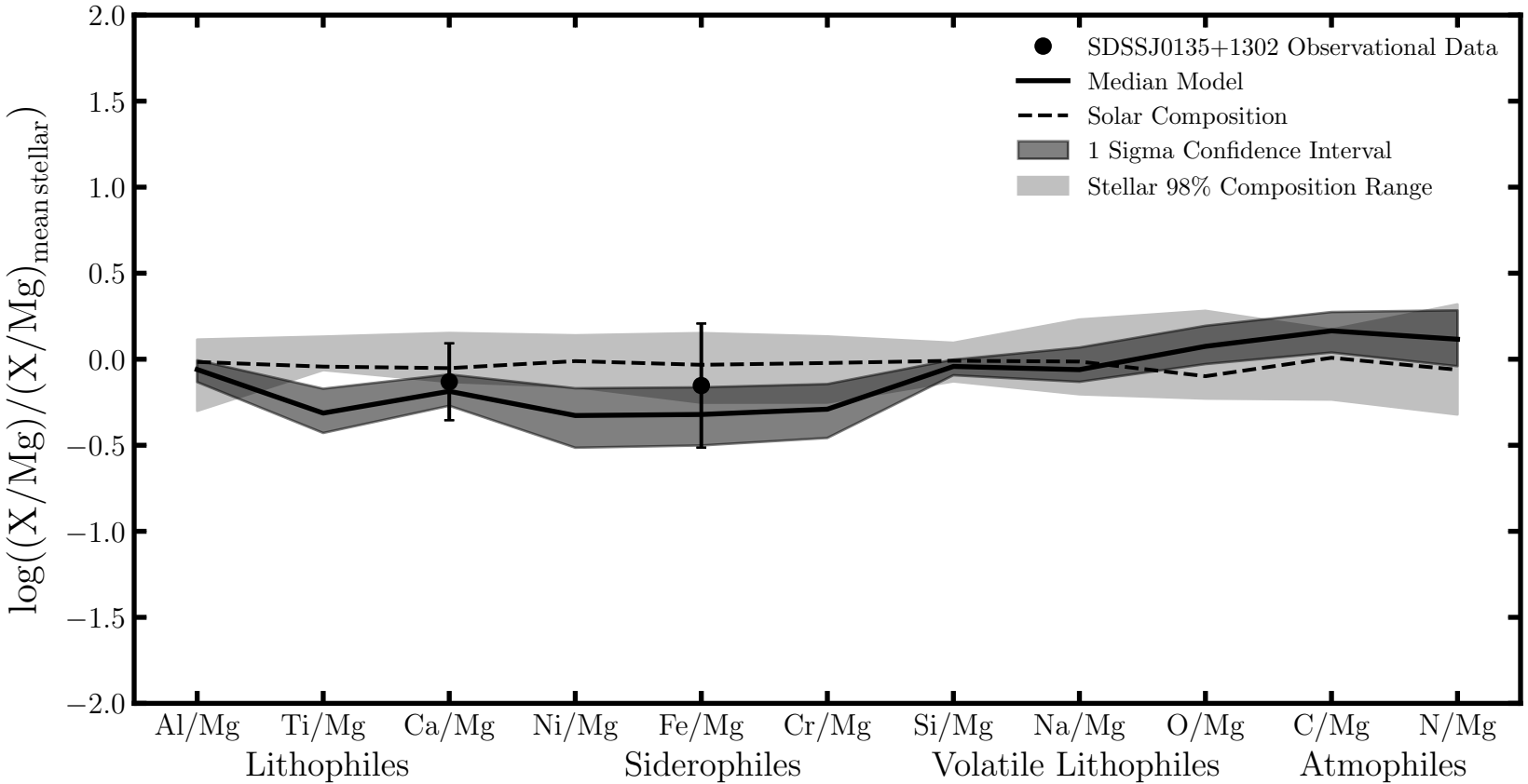

SDSSJ0108-0537 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

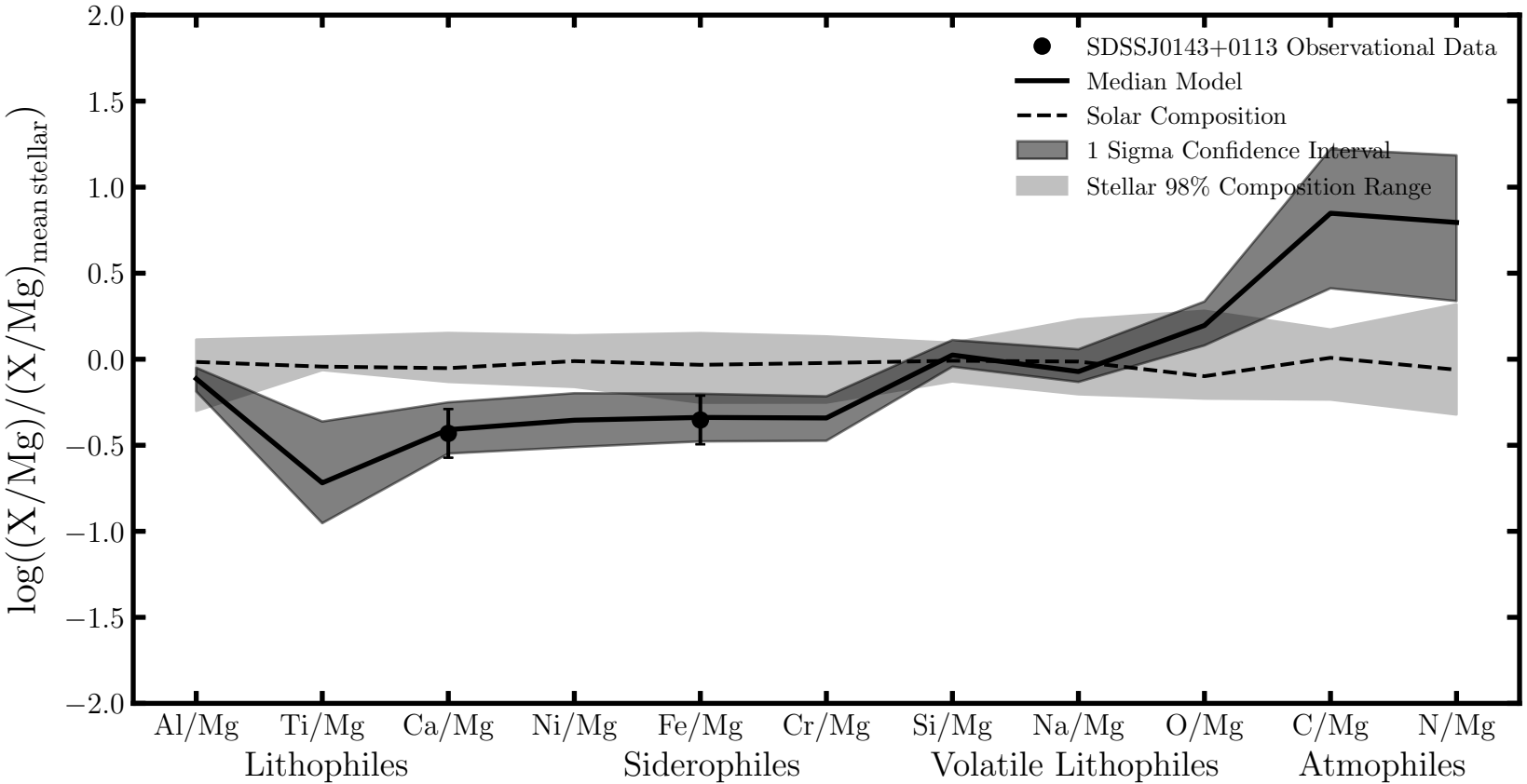

SDSSJ0114+3505 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

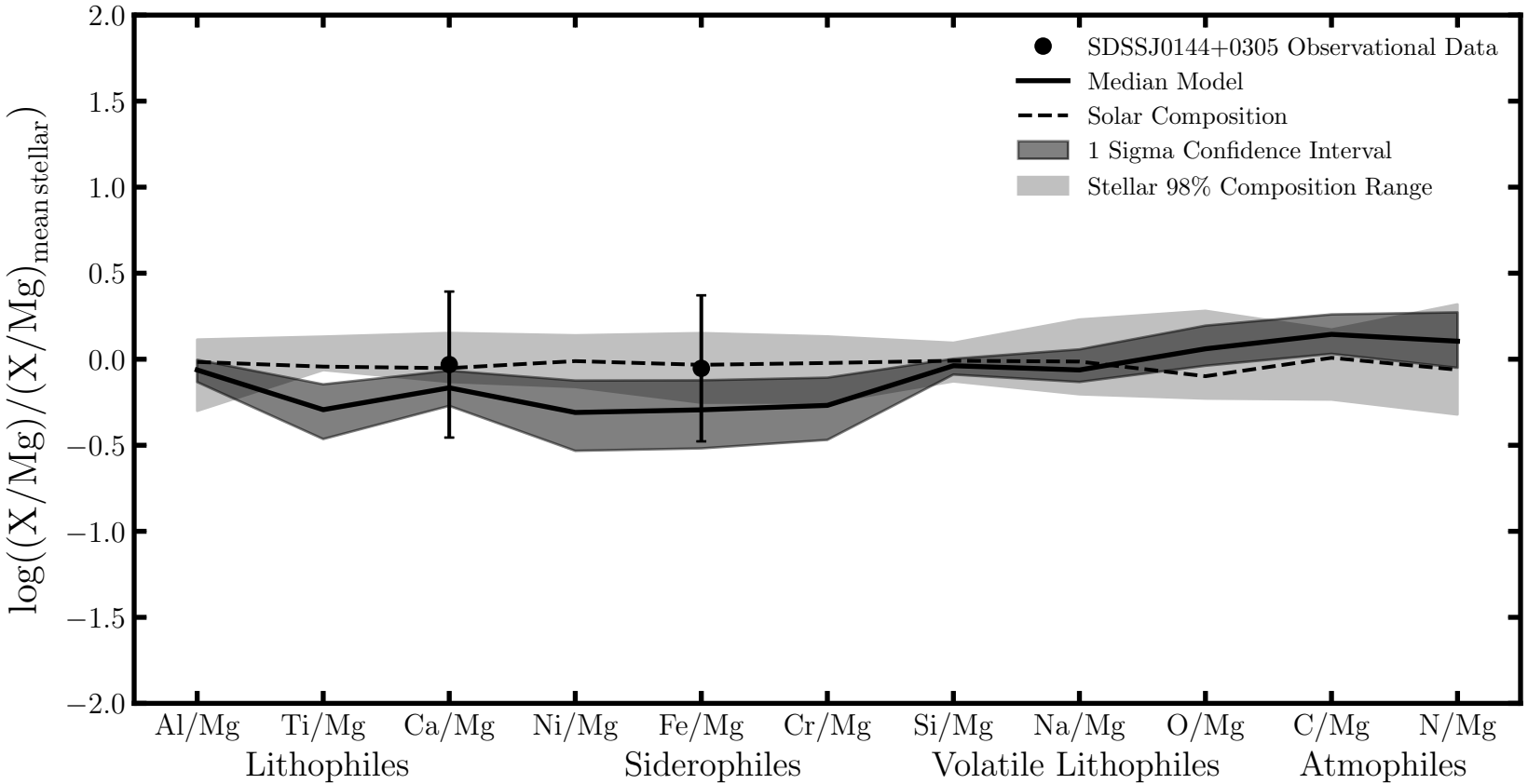

SDSSJ0116+2050 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

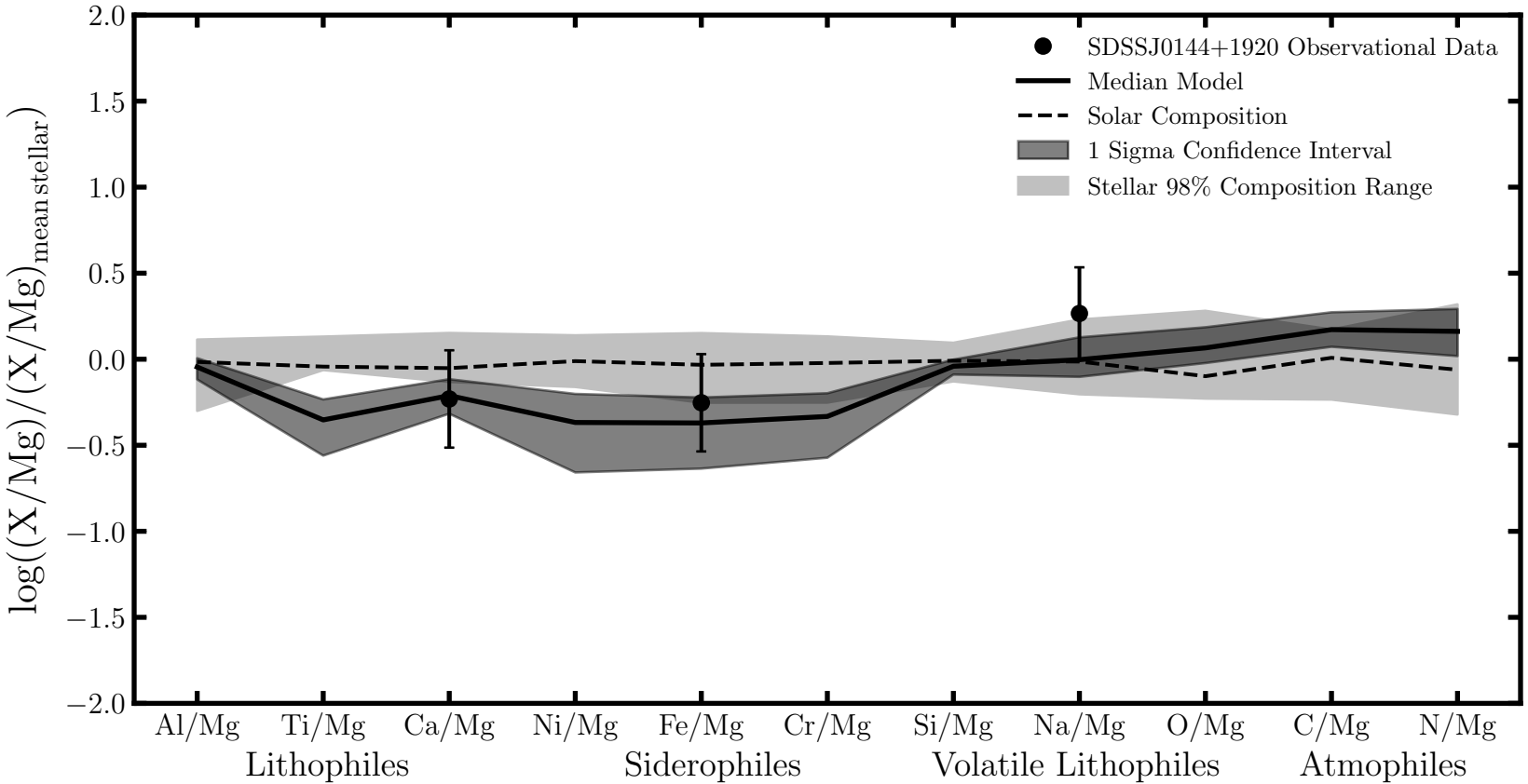

SDSSJ0117+0021 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

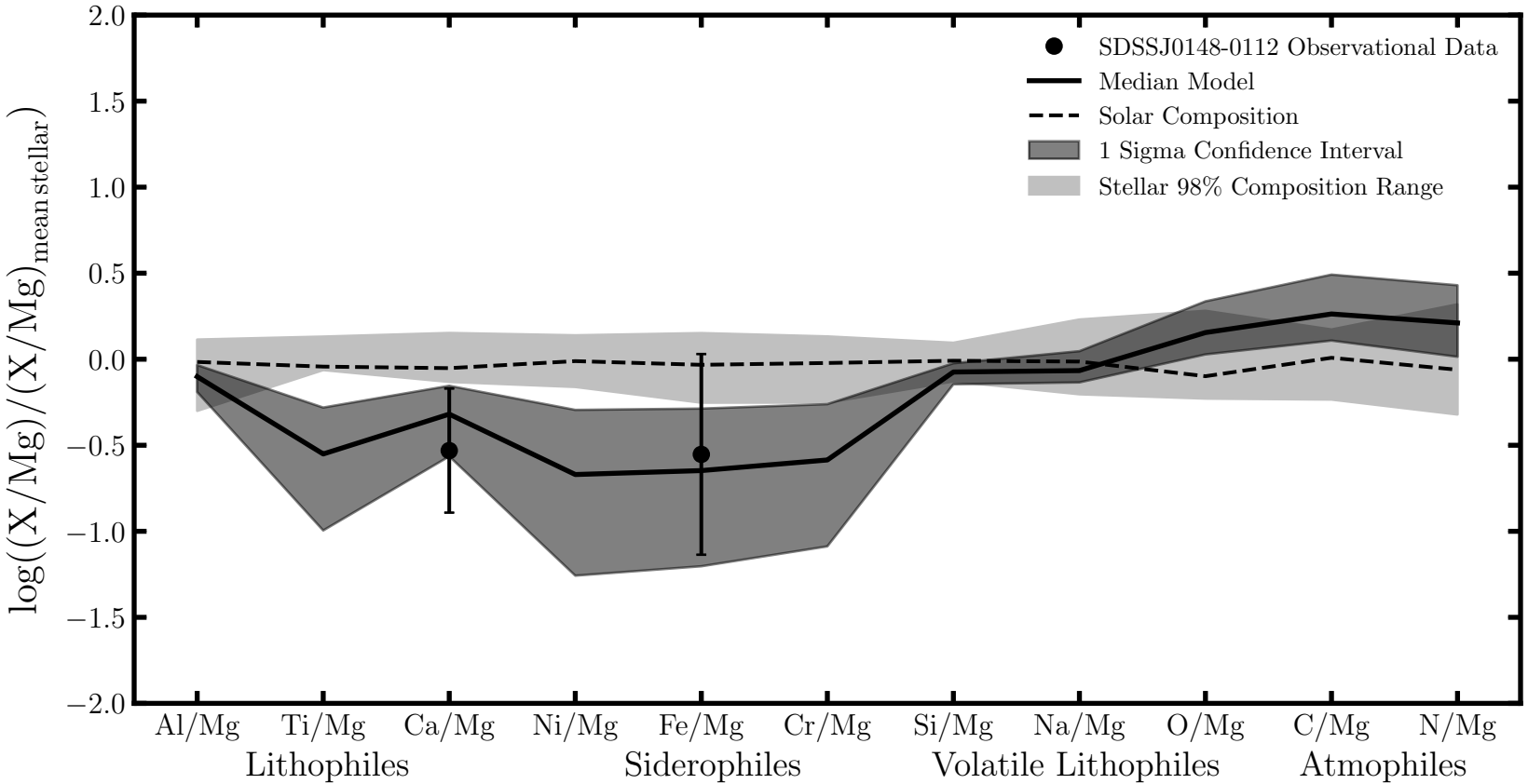

SDSSJ0126+2534 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

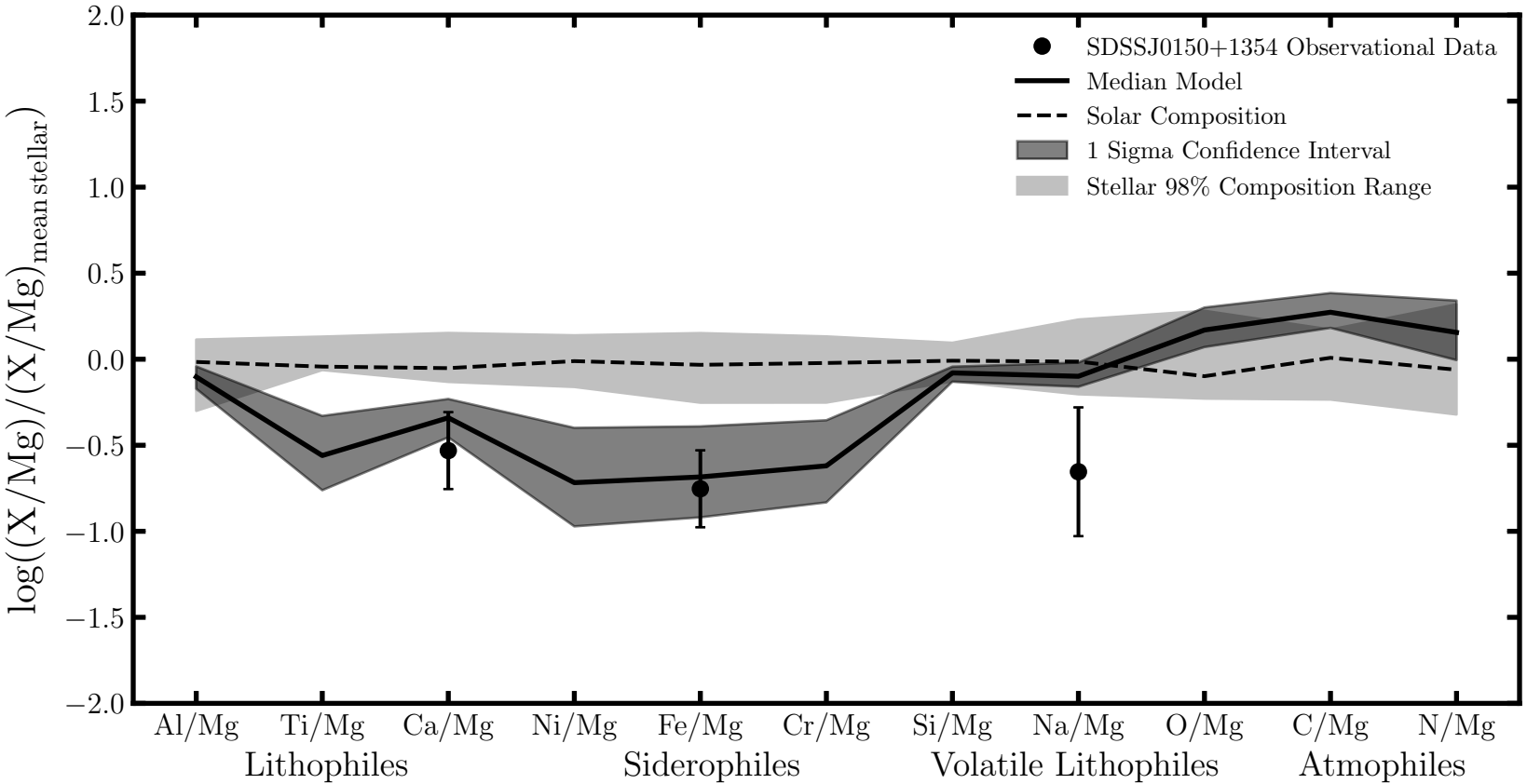

SDSSJ0135+1302 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

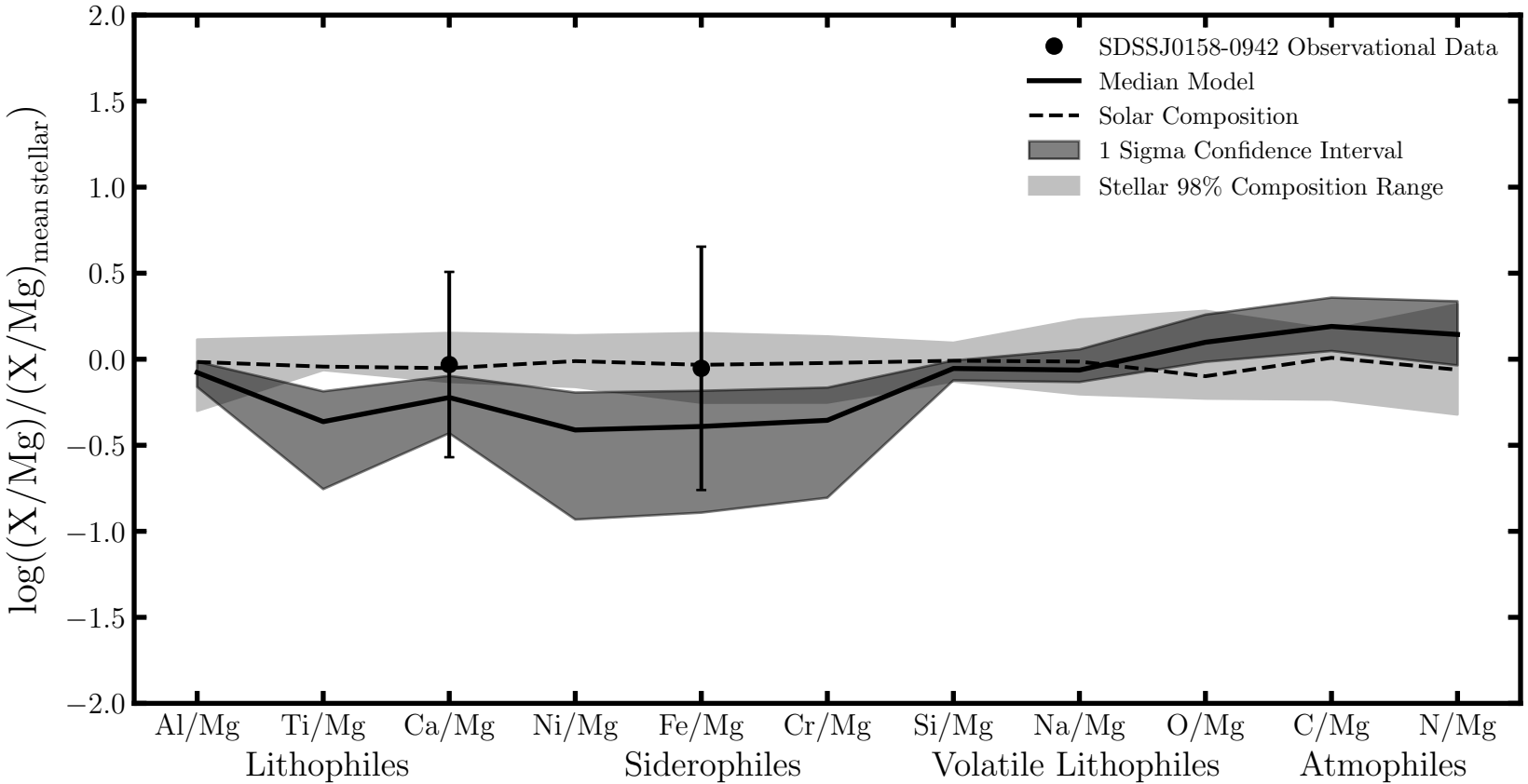

SDSSJ0143+0113 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

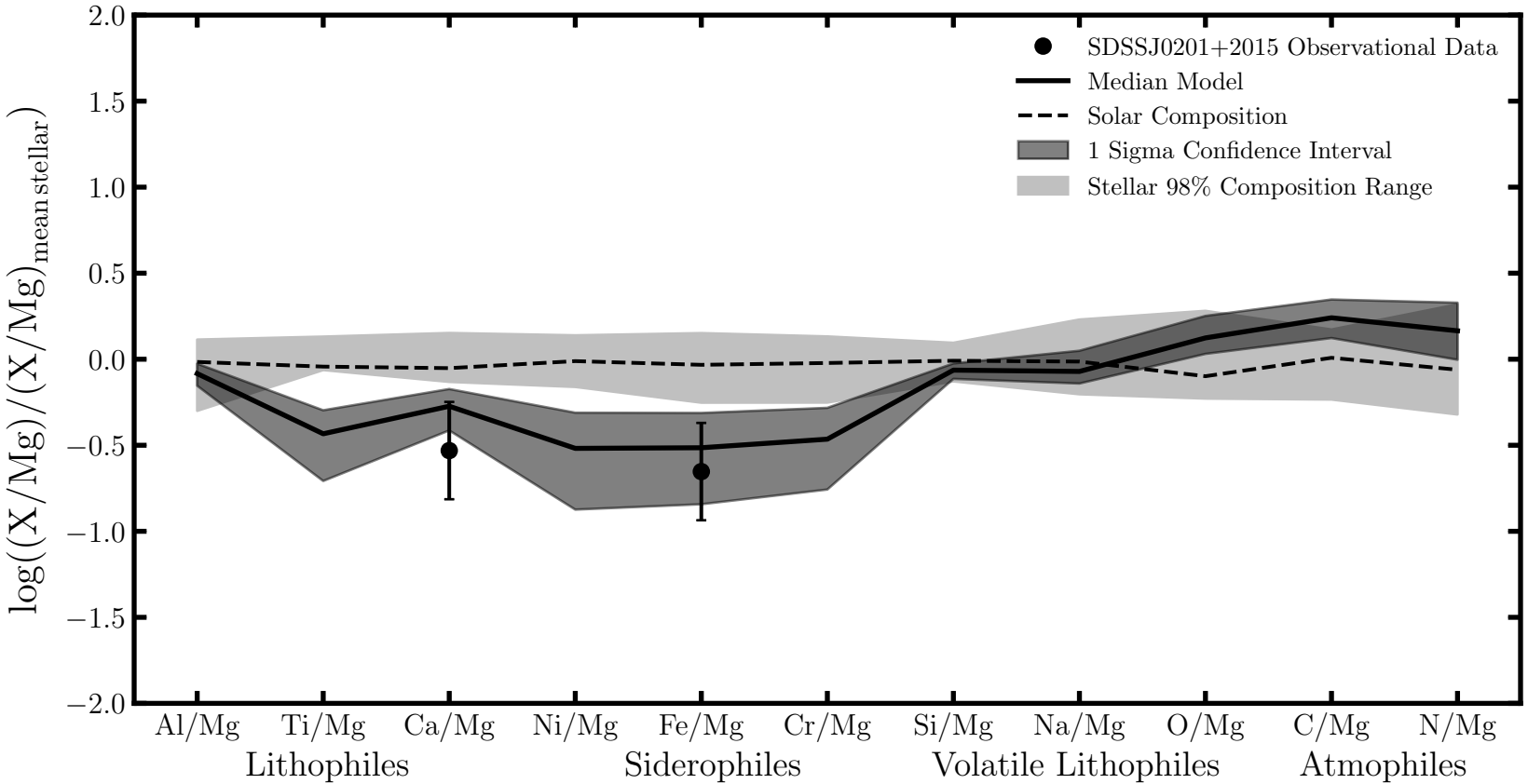

SDSSJ0144+0305 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

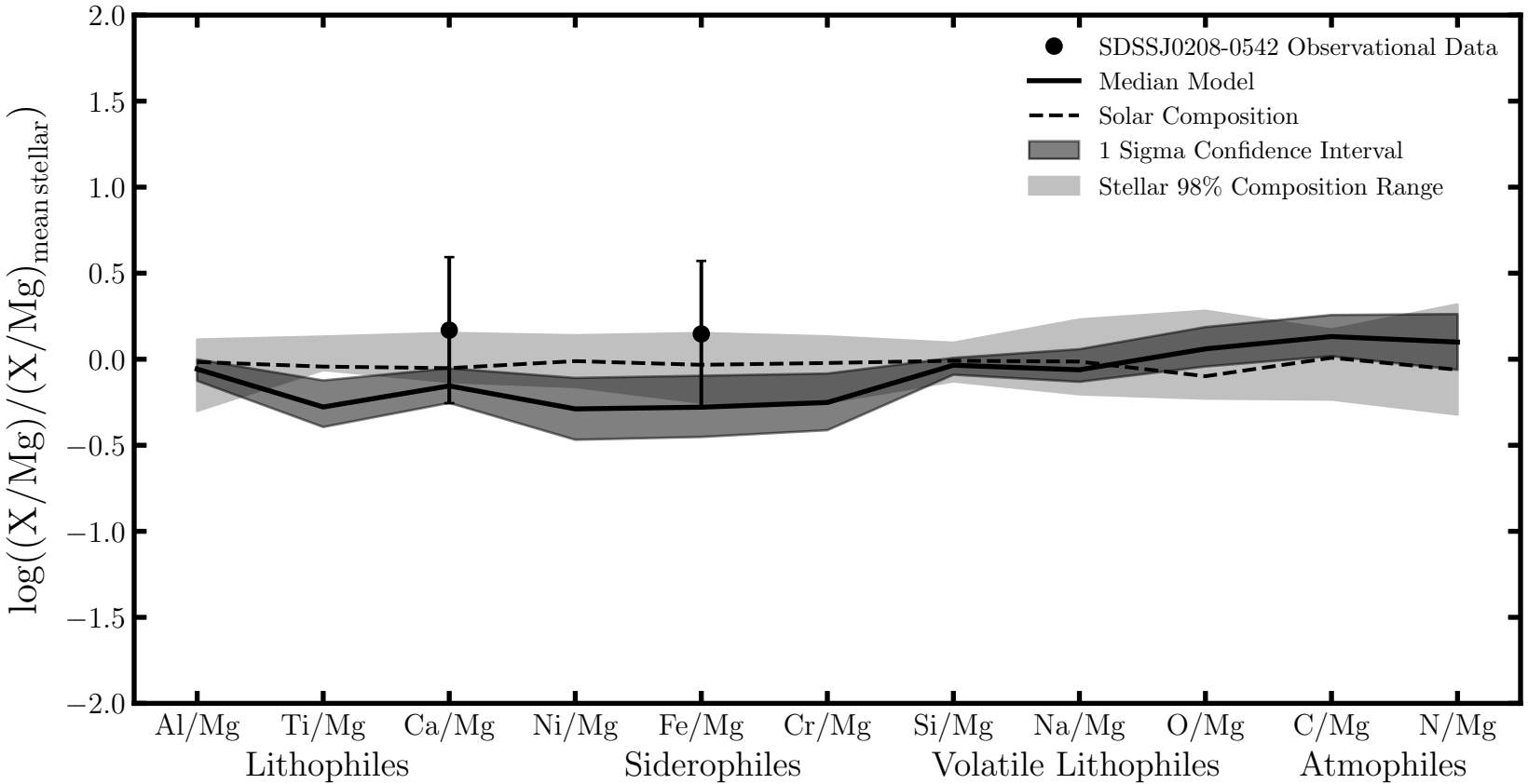

SDSSJ0144+1920 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

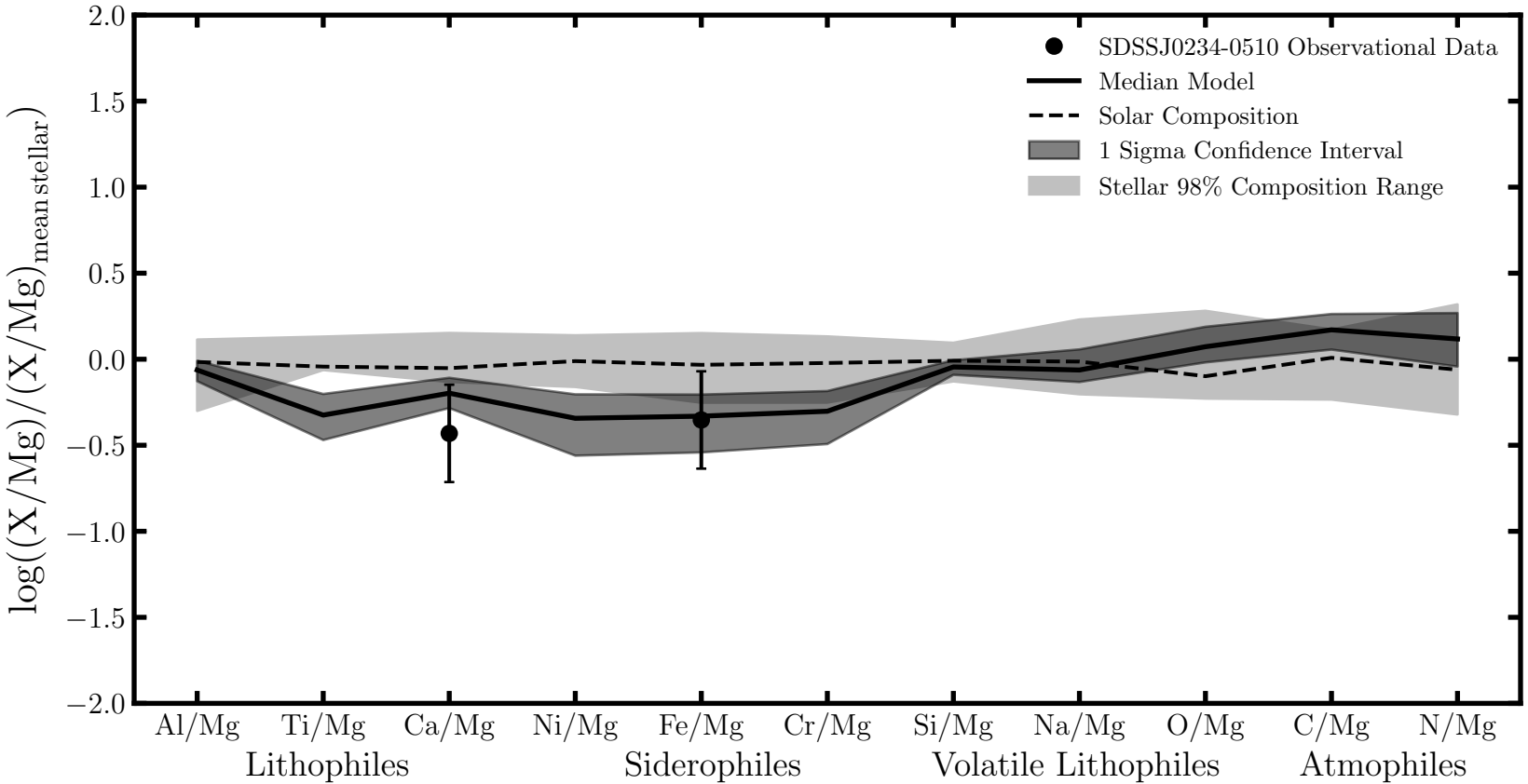

SDSSJ0148-0112 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

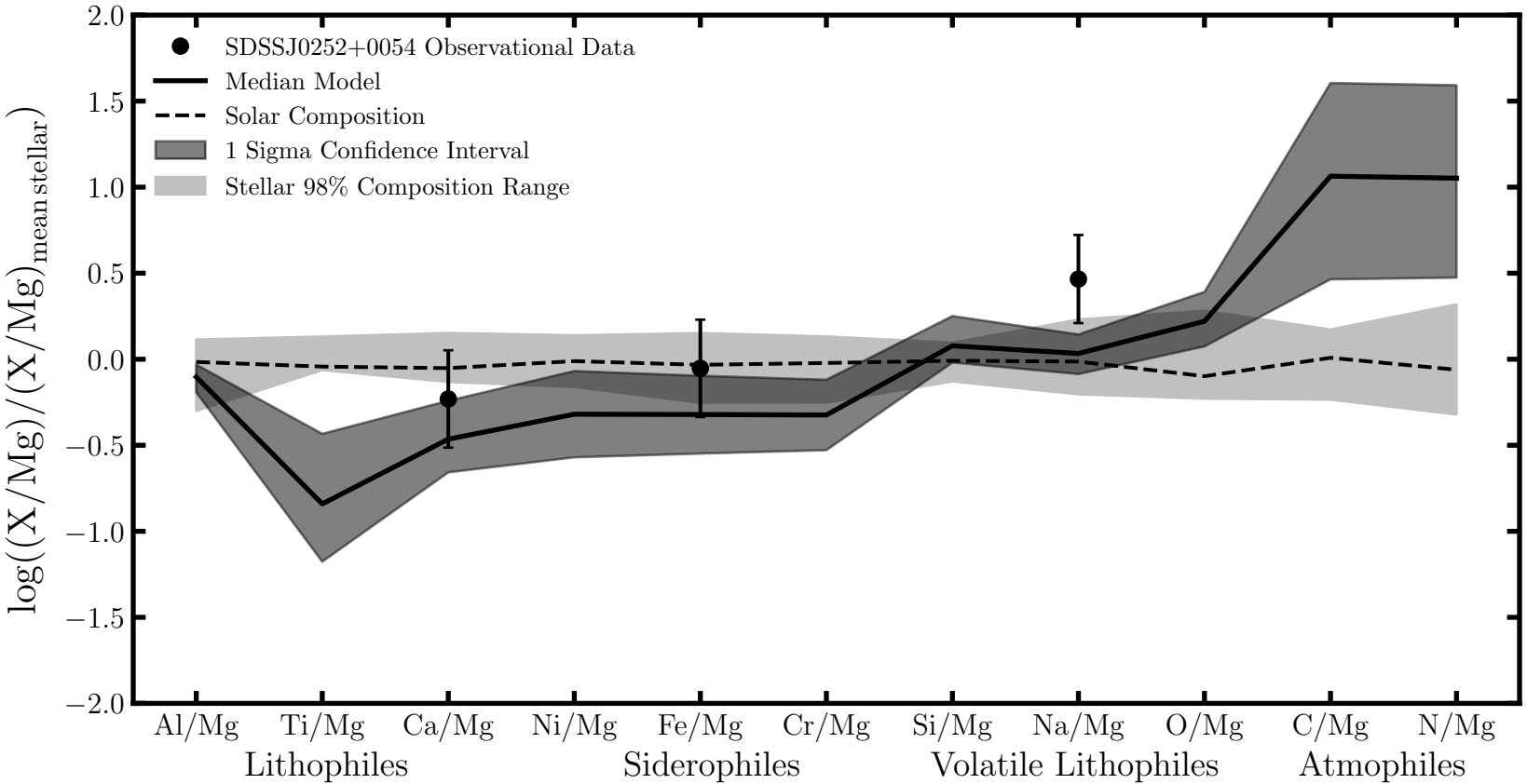

SDSSJ0150+1354 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

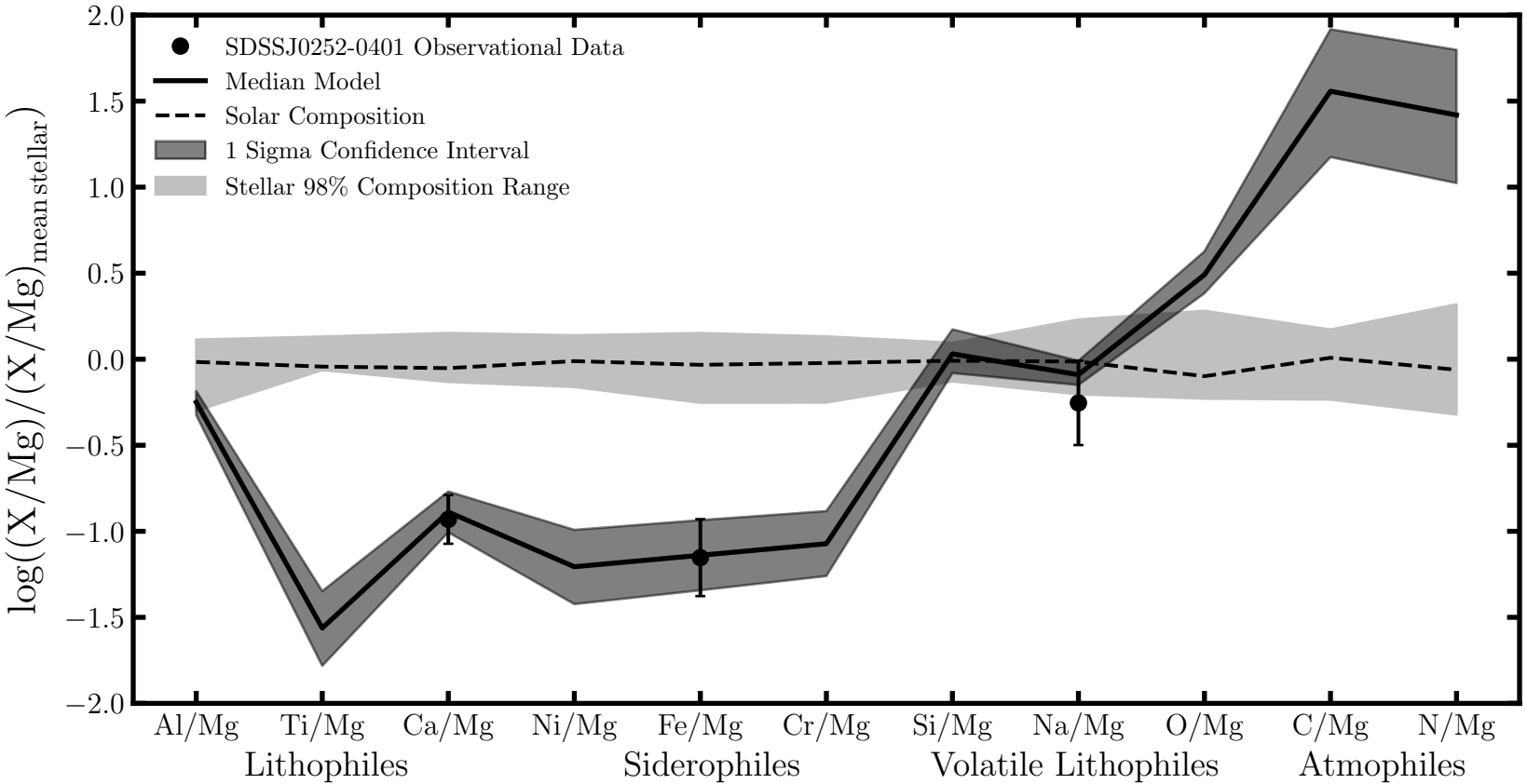

SDSSJ0158-0942 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

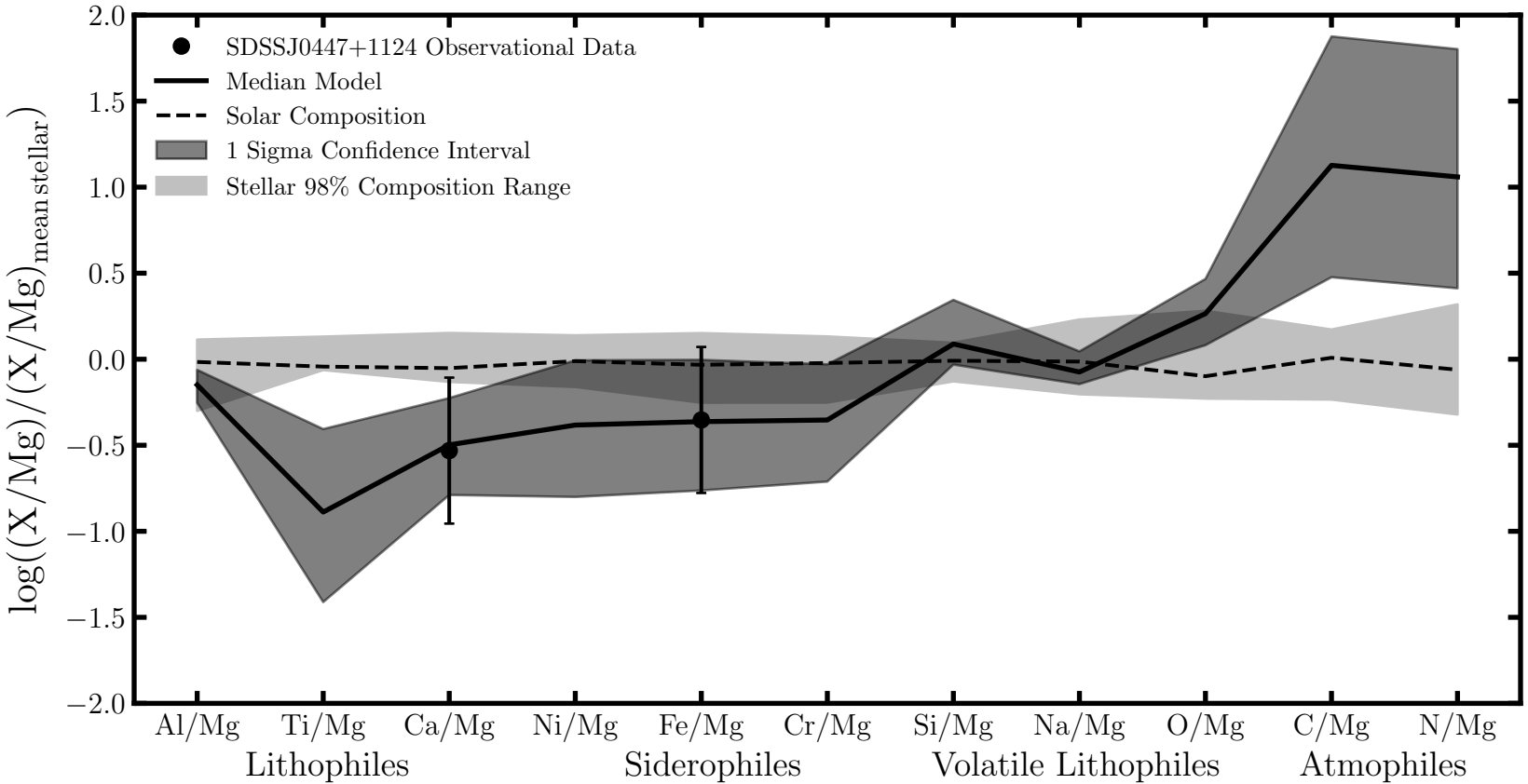

SDSSJ0201+2015 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

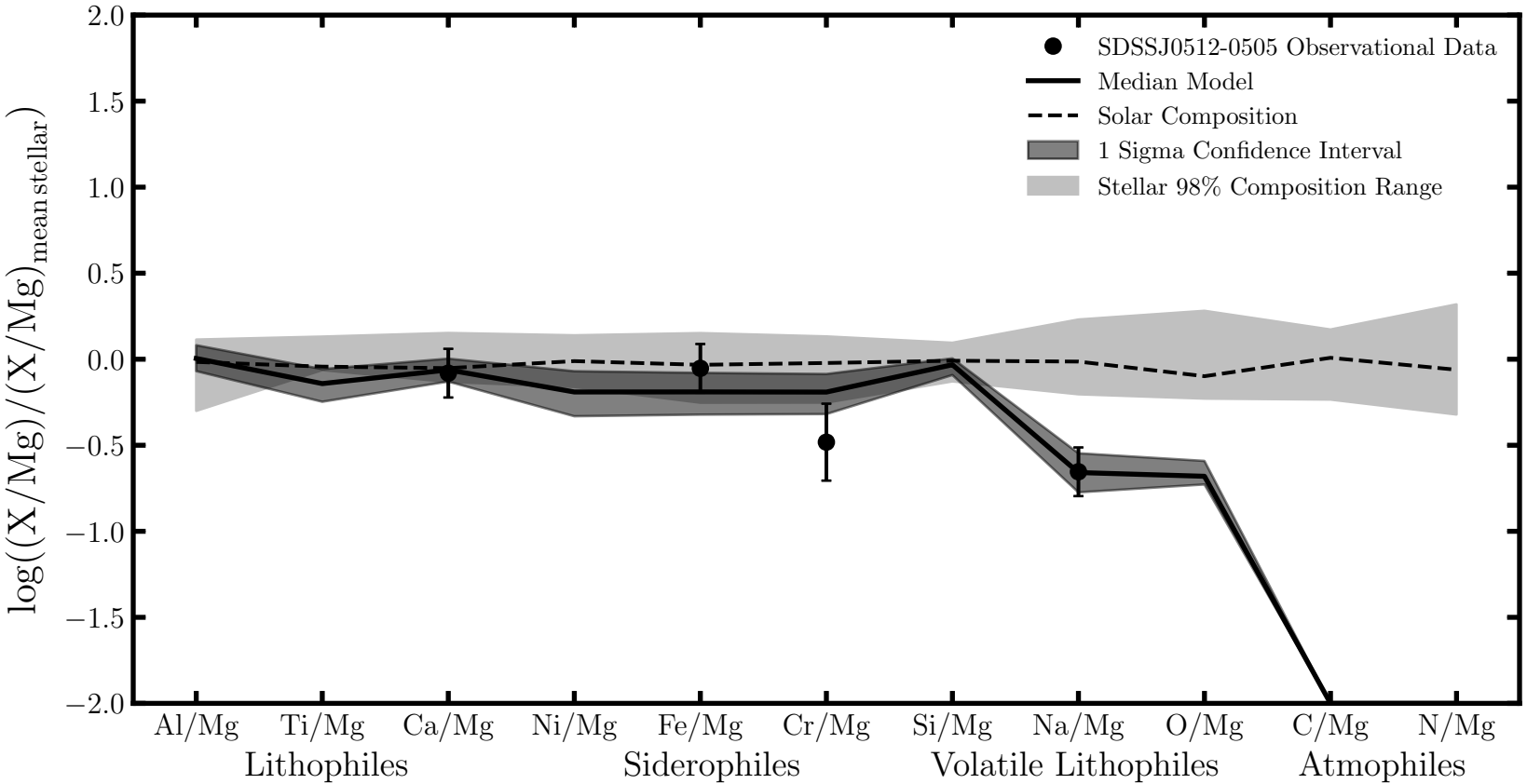

SDSSJ0208-0542 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

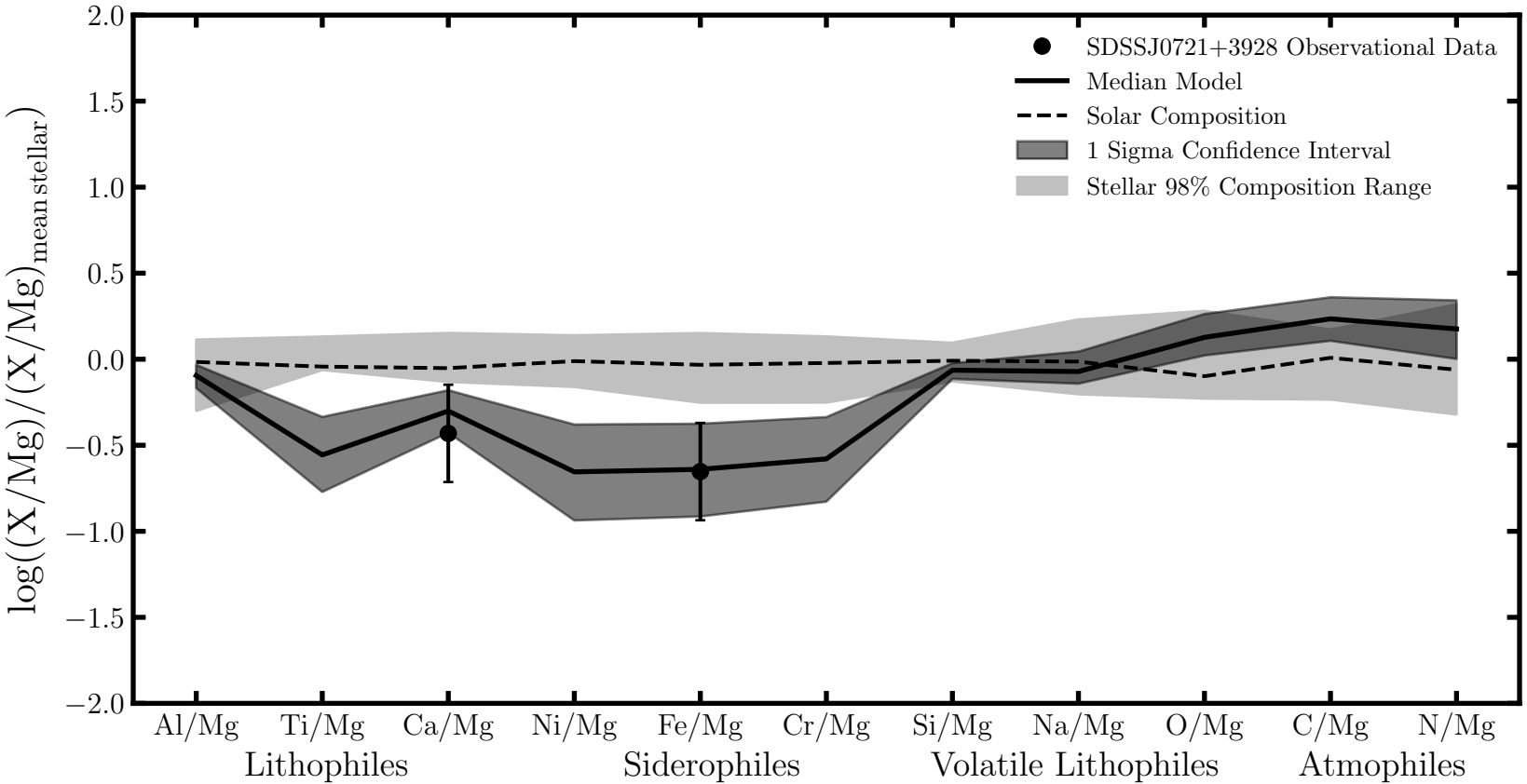

SDSSJ0234-0510 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

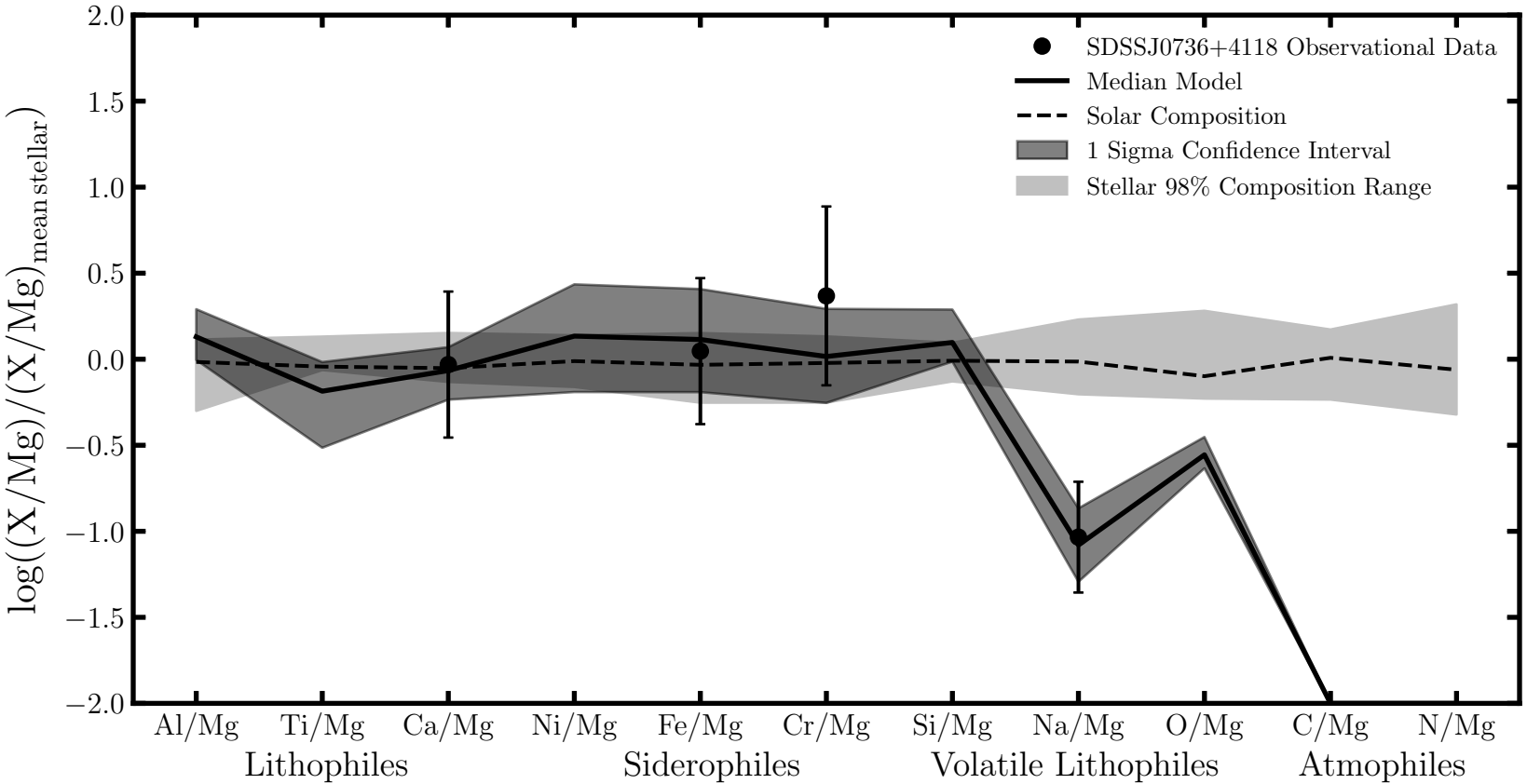

SDSSJ0252+0054 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

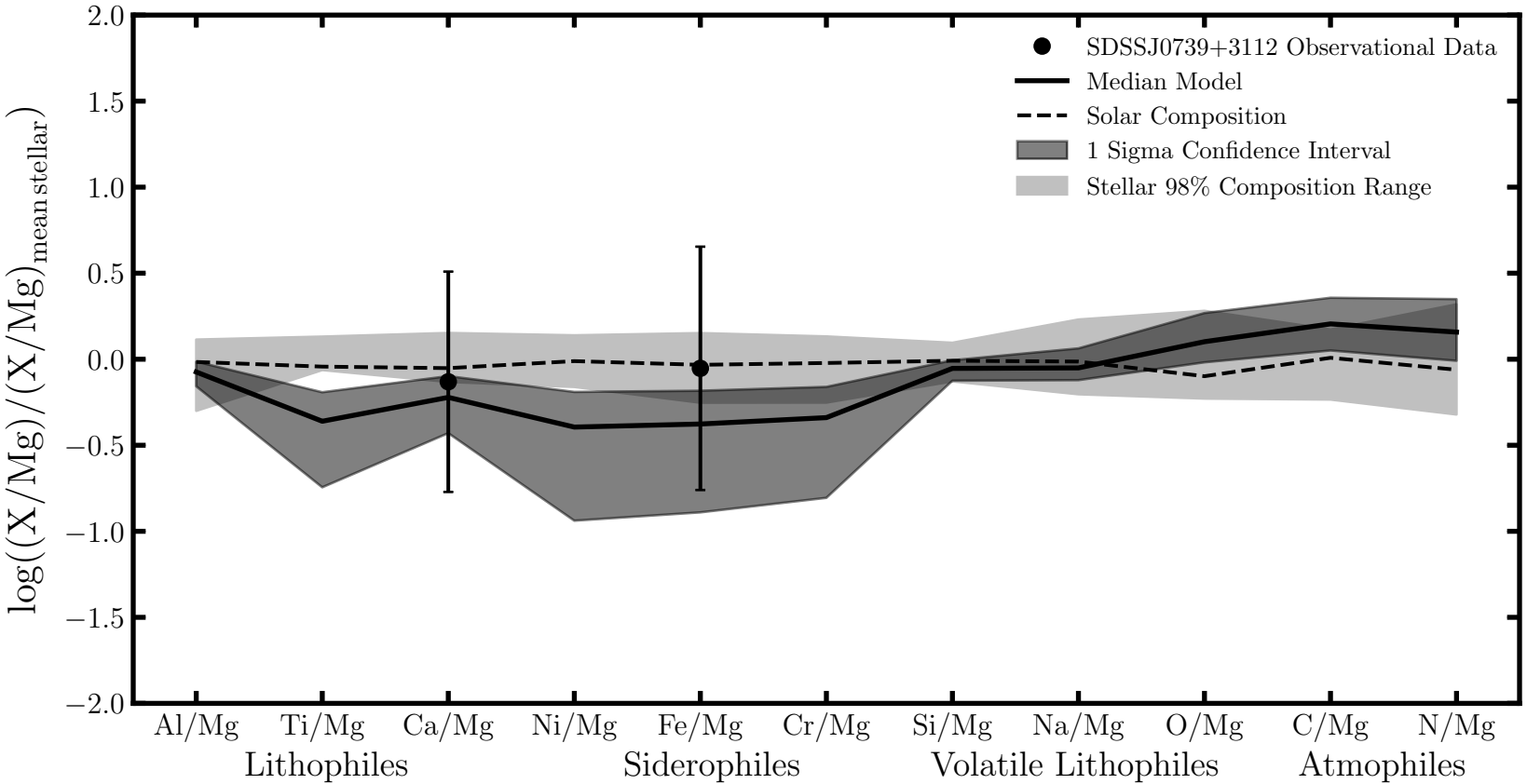

SDSSJ0252-0401 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

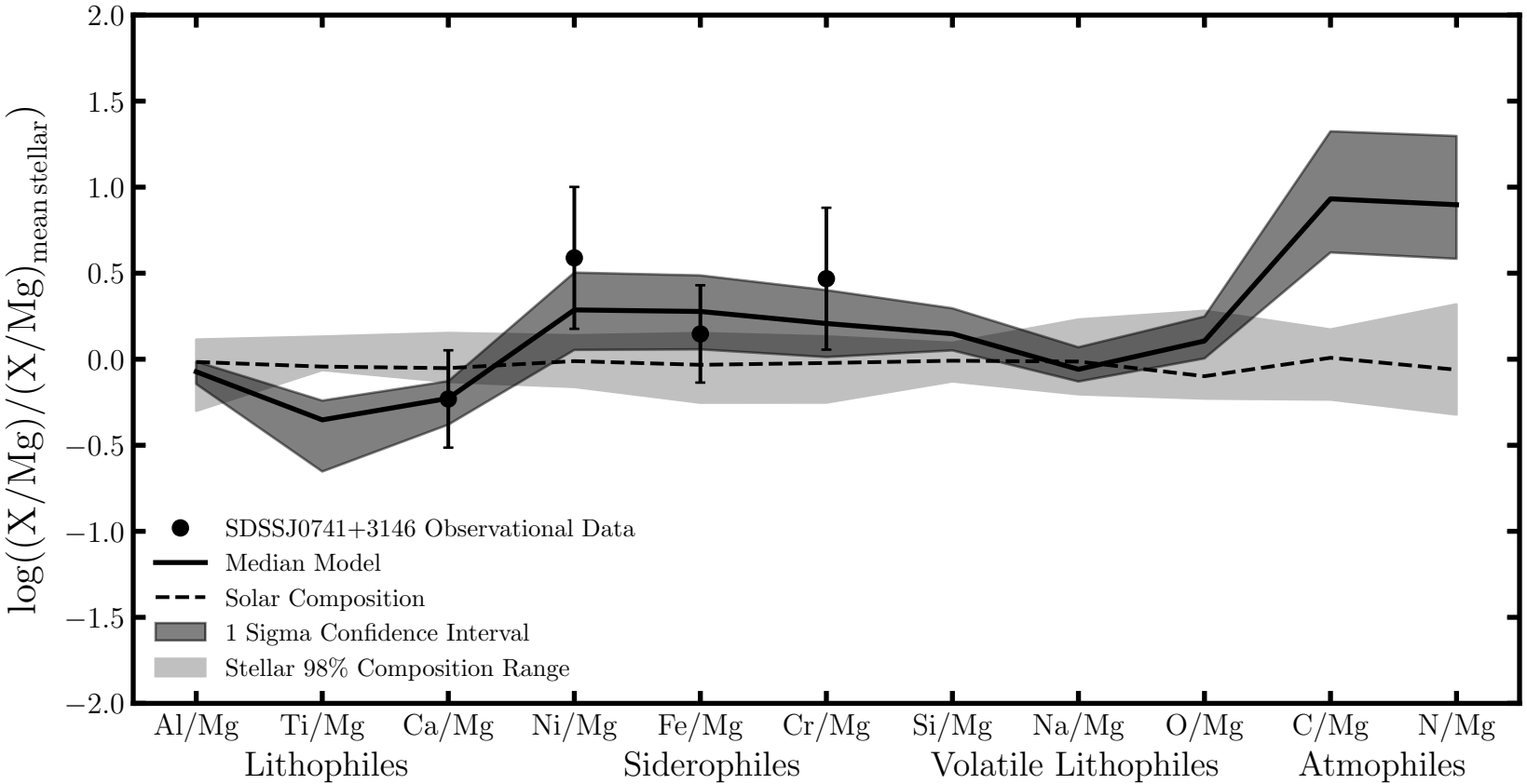

SDSSJ0447+1124 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

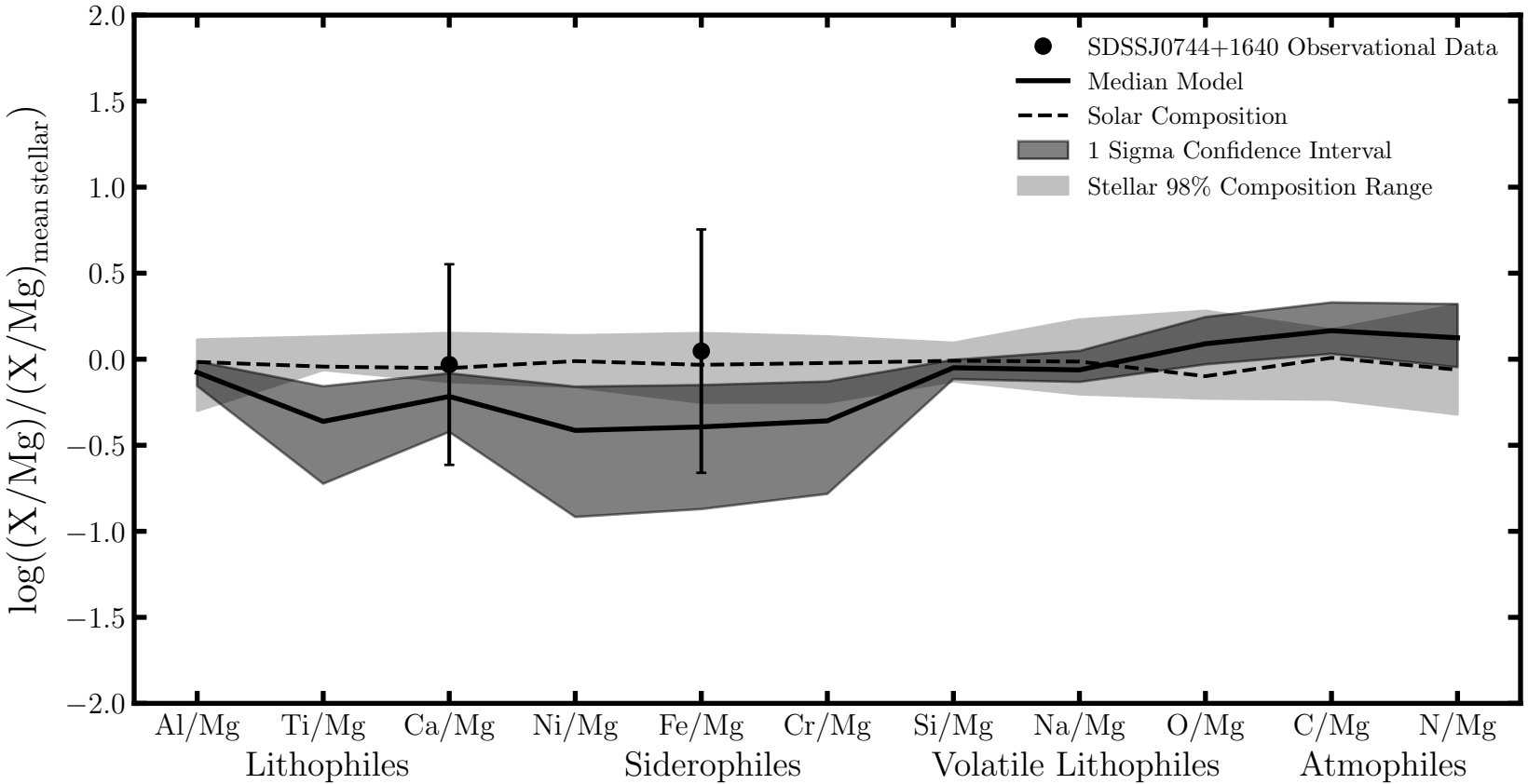

SDSSJ0512-0505 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

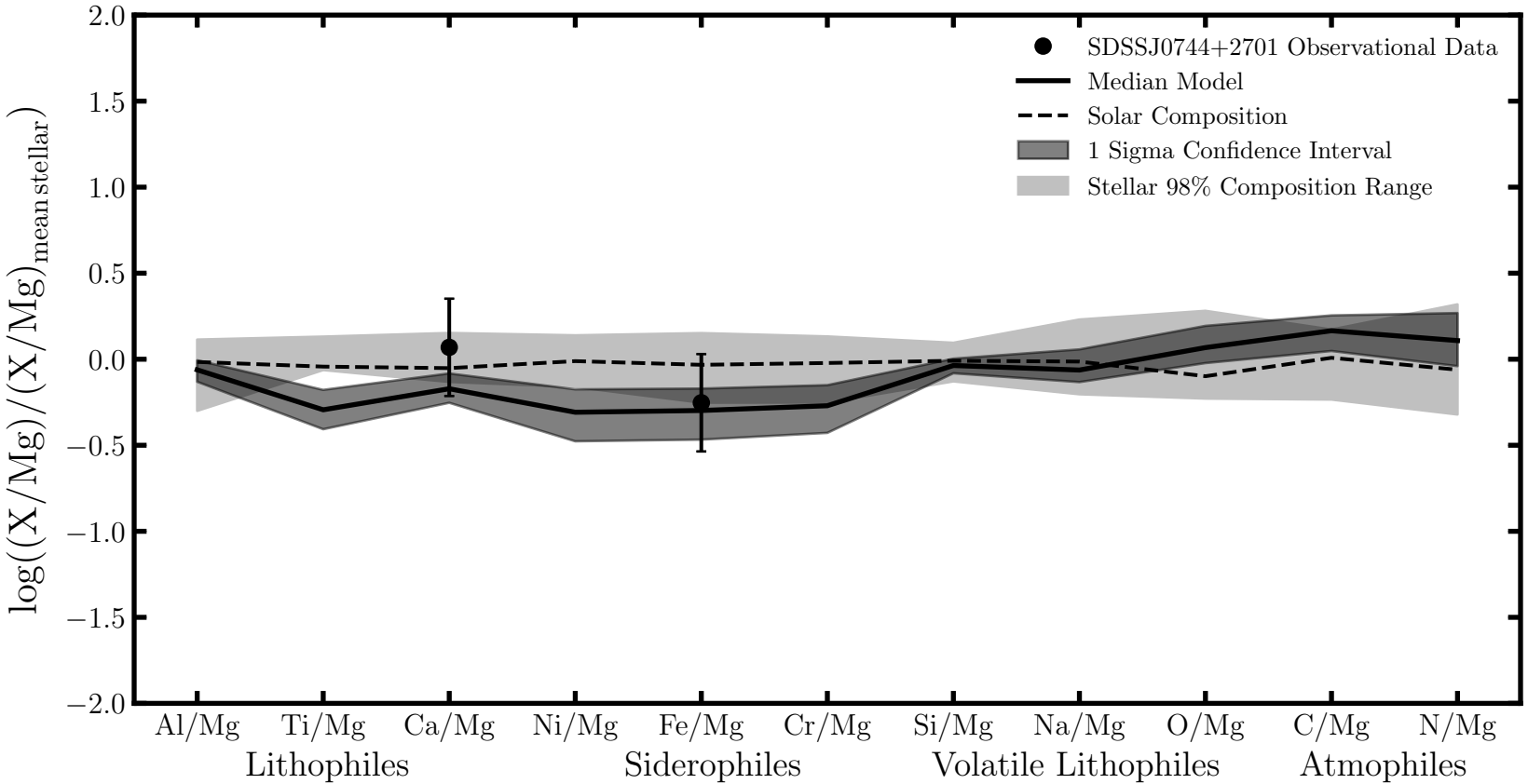

SDSSJ0721+3928 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

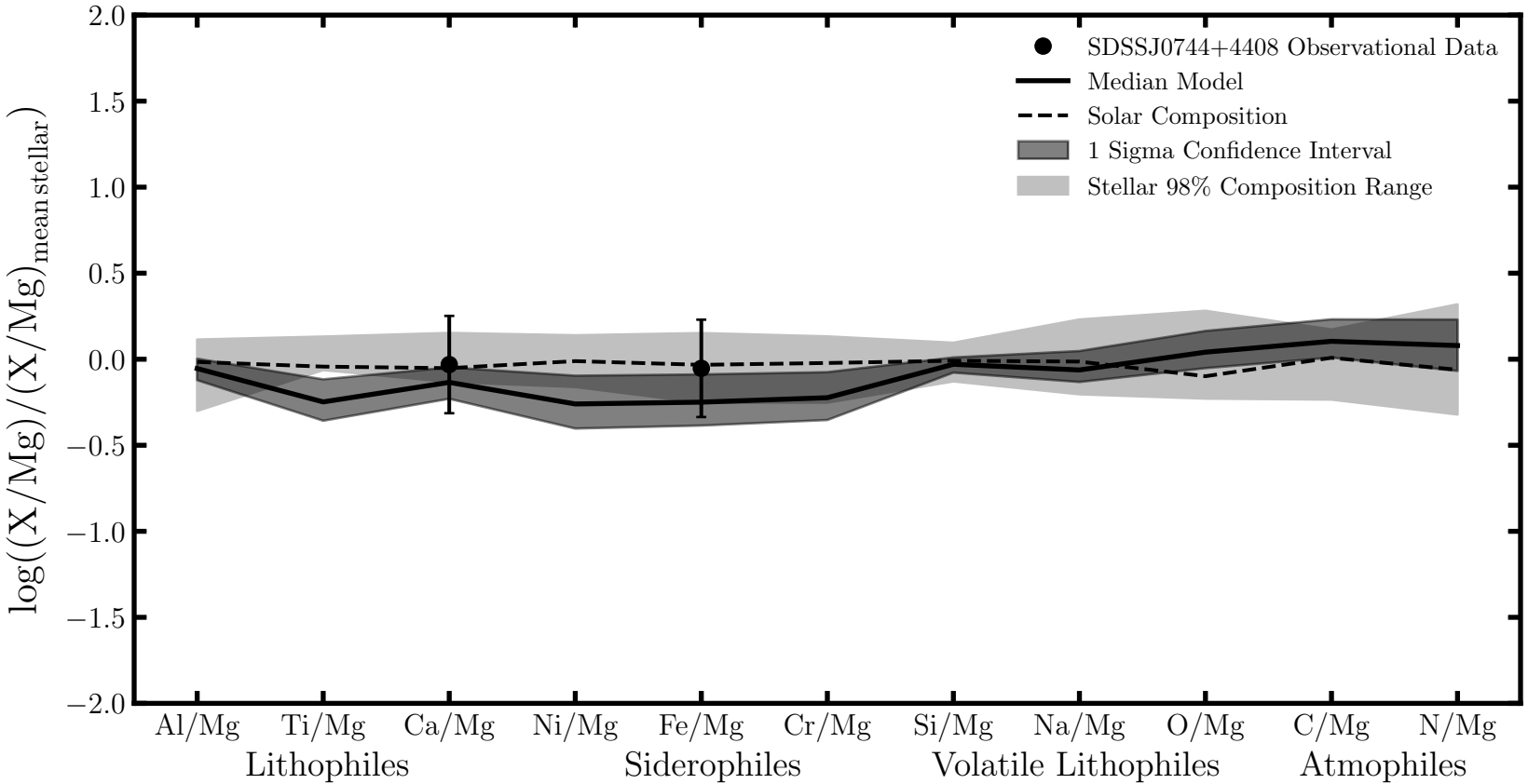

SDSSJ0736+4118 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

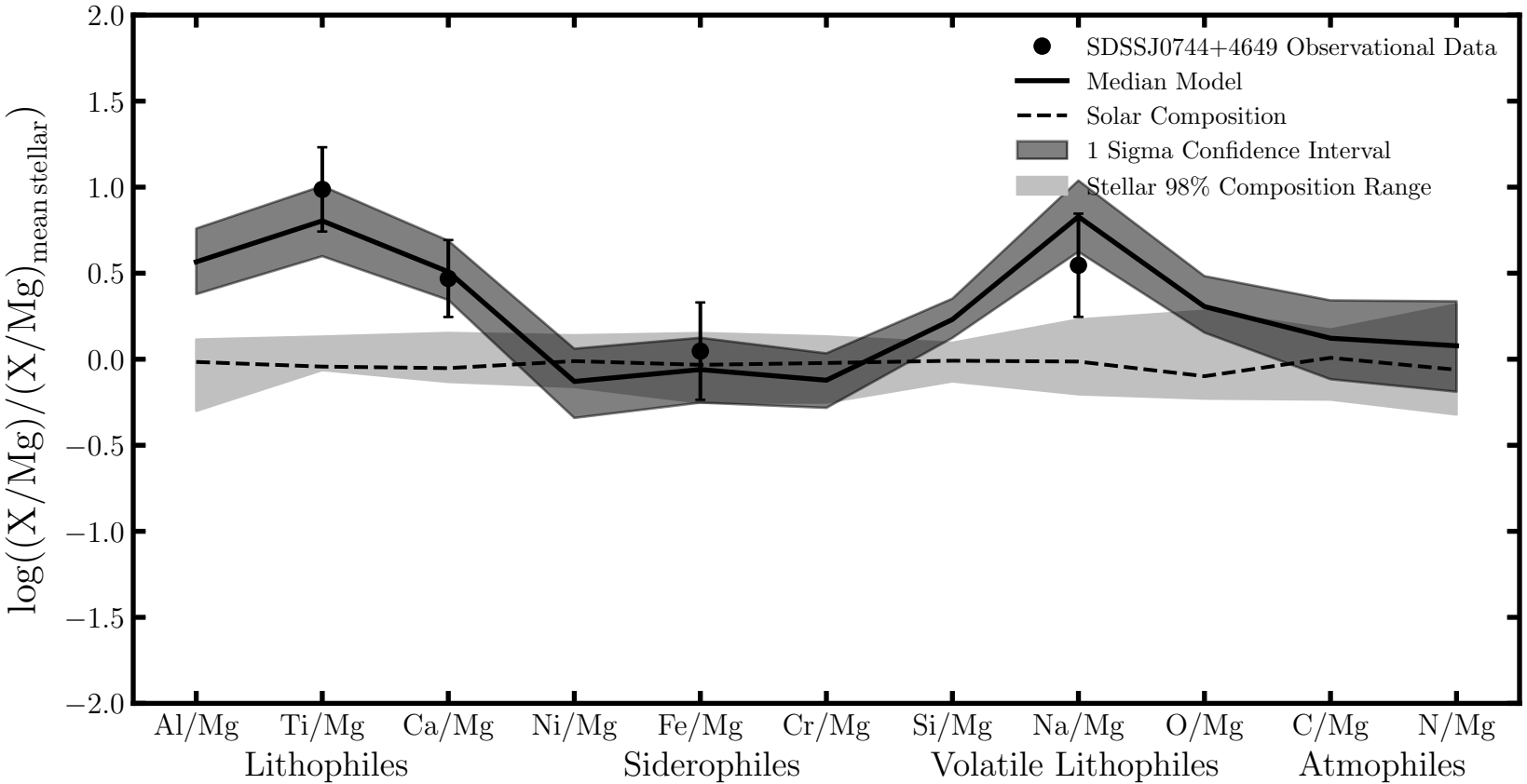

SDSSJ0739+3112 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

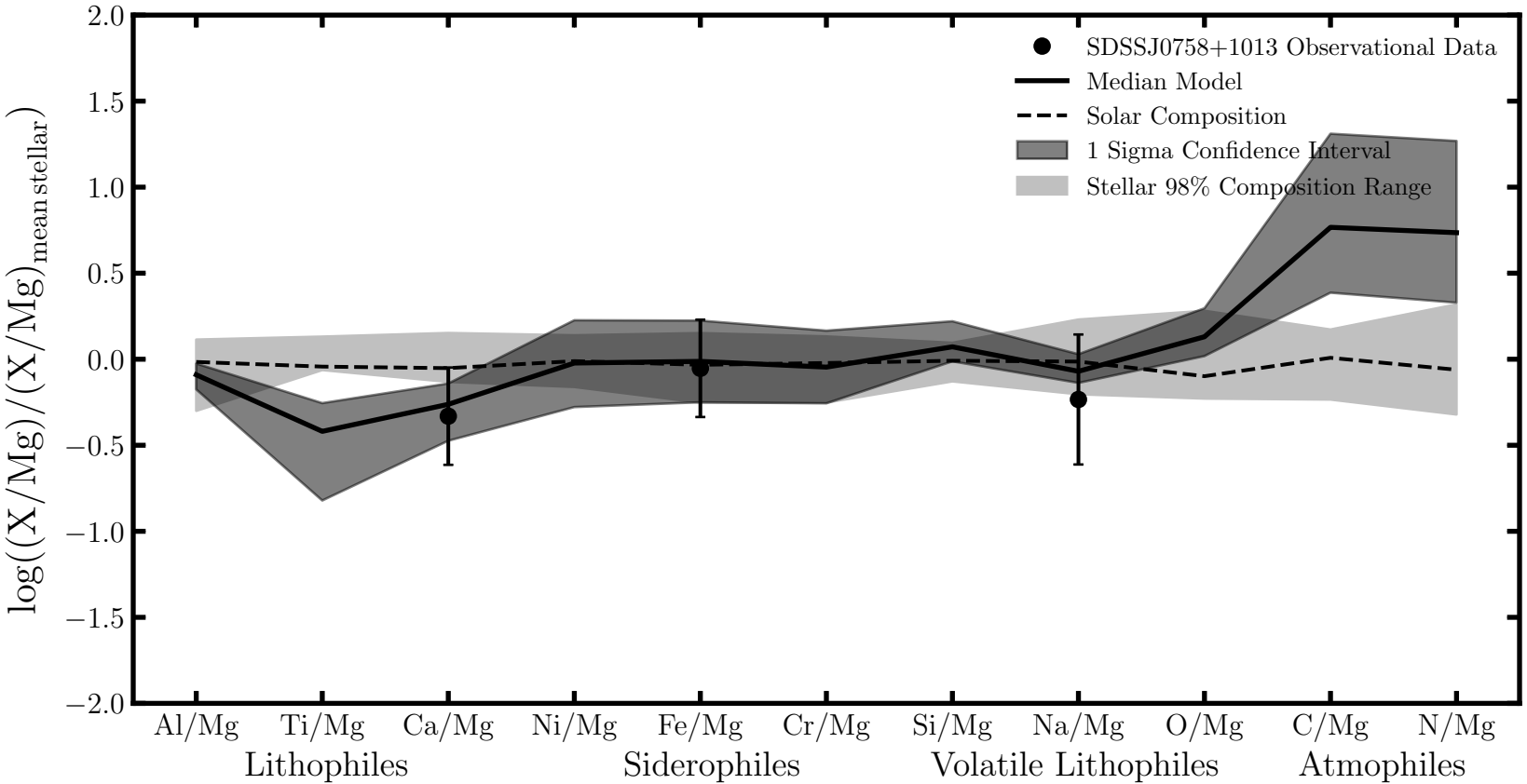

2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
log((X/Mg)/(X/Mg)mean stellar)
SDSSJ0741+3146 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

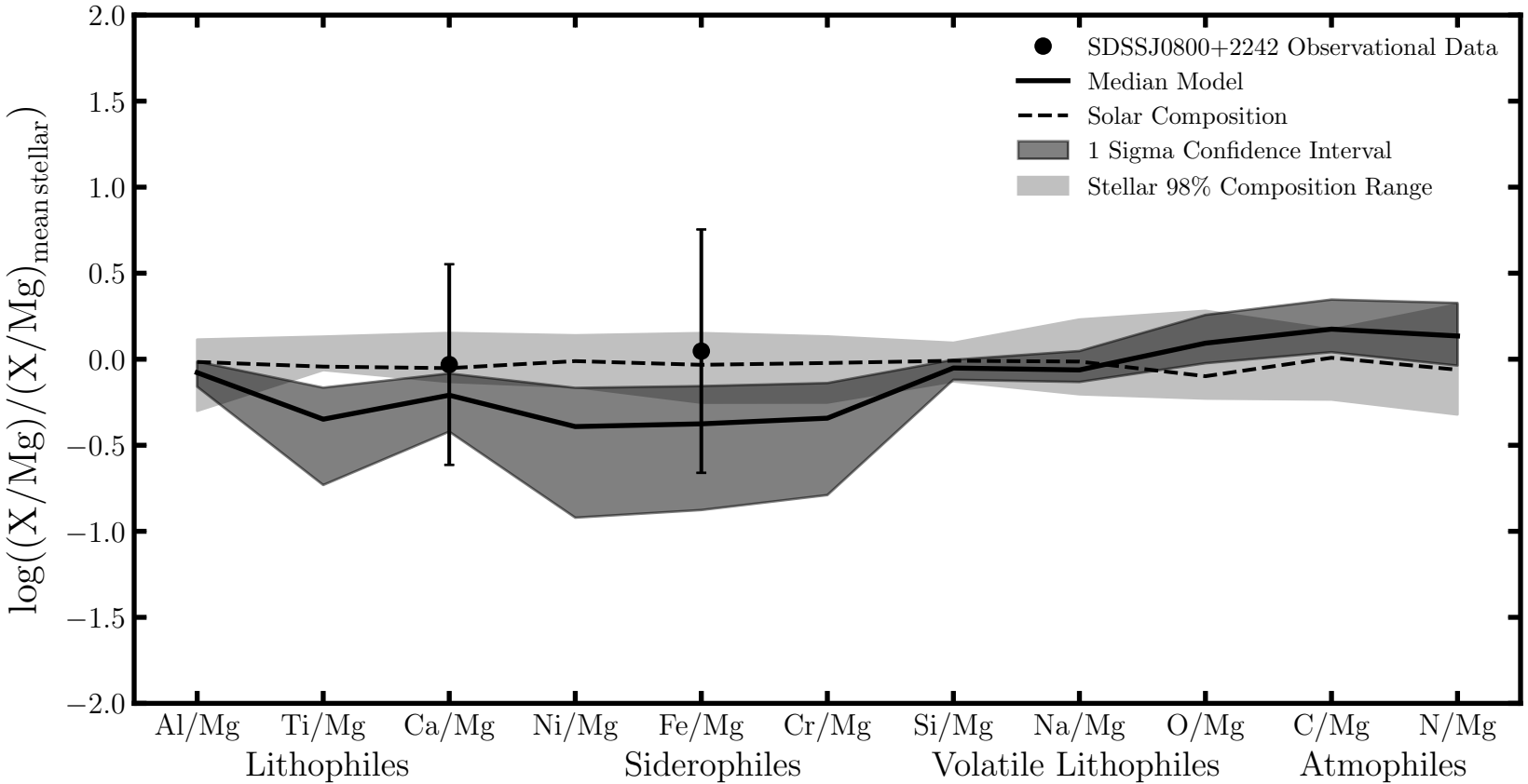

SDSSJ0744+1640 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

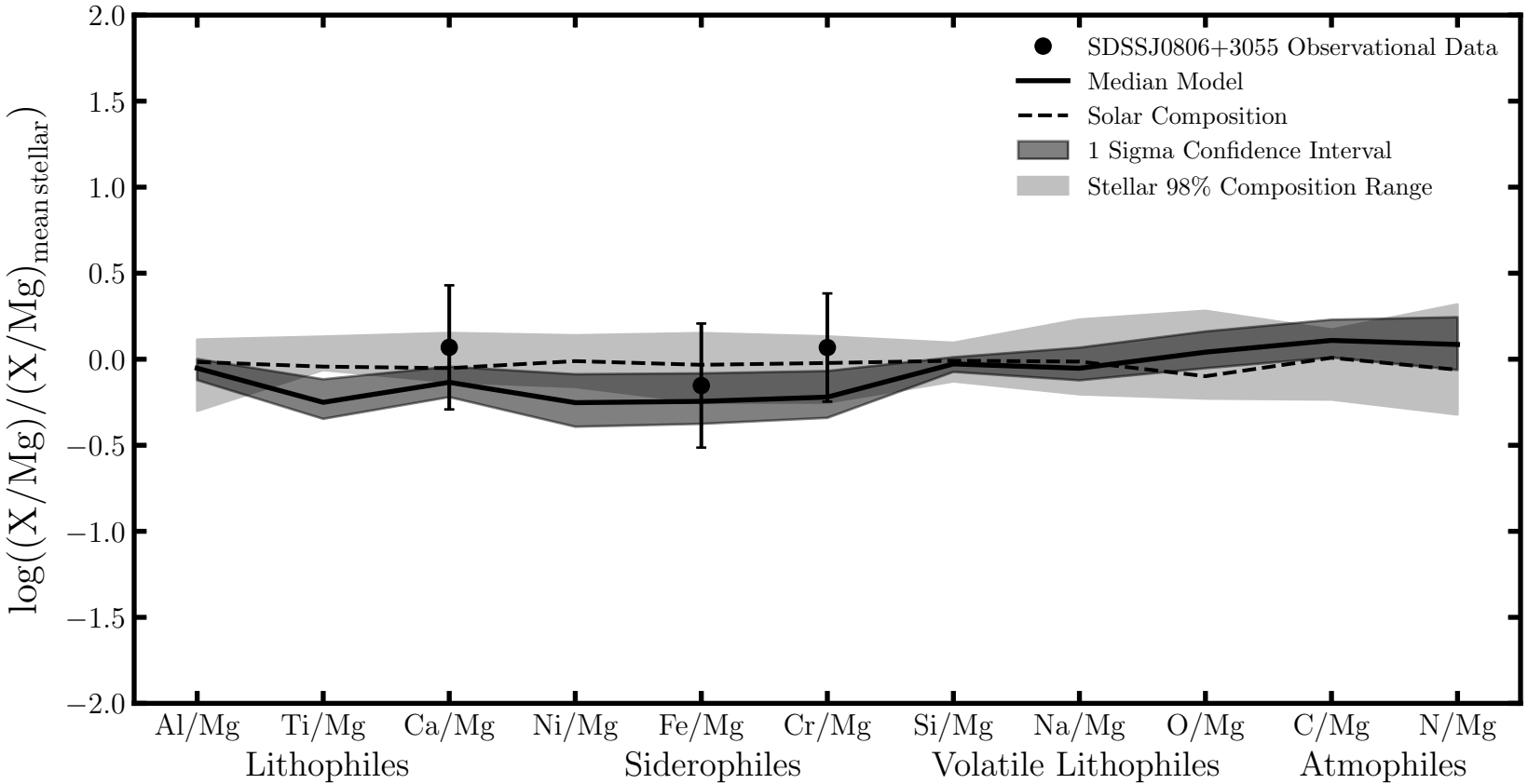

SDSSJ0744+2701 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

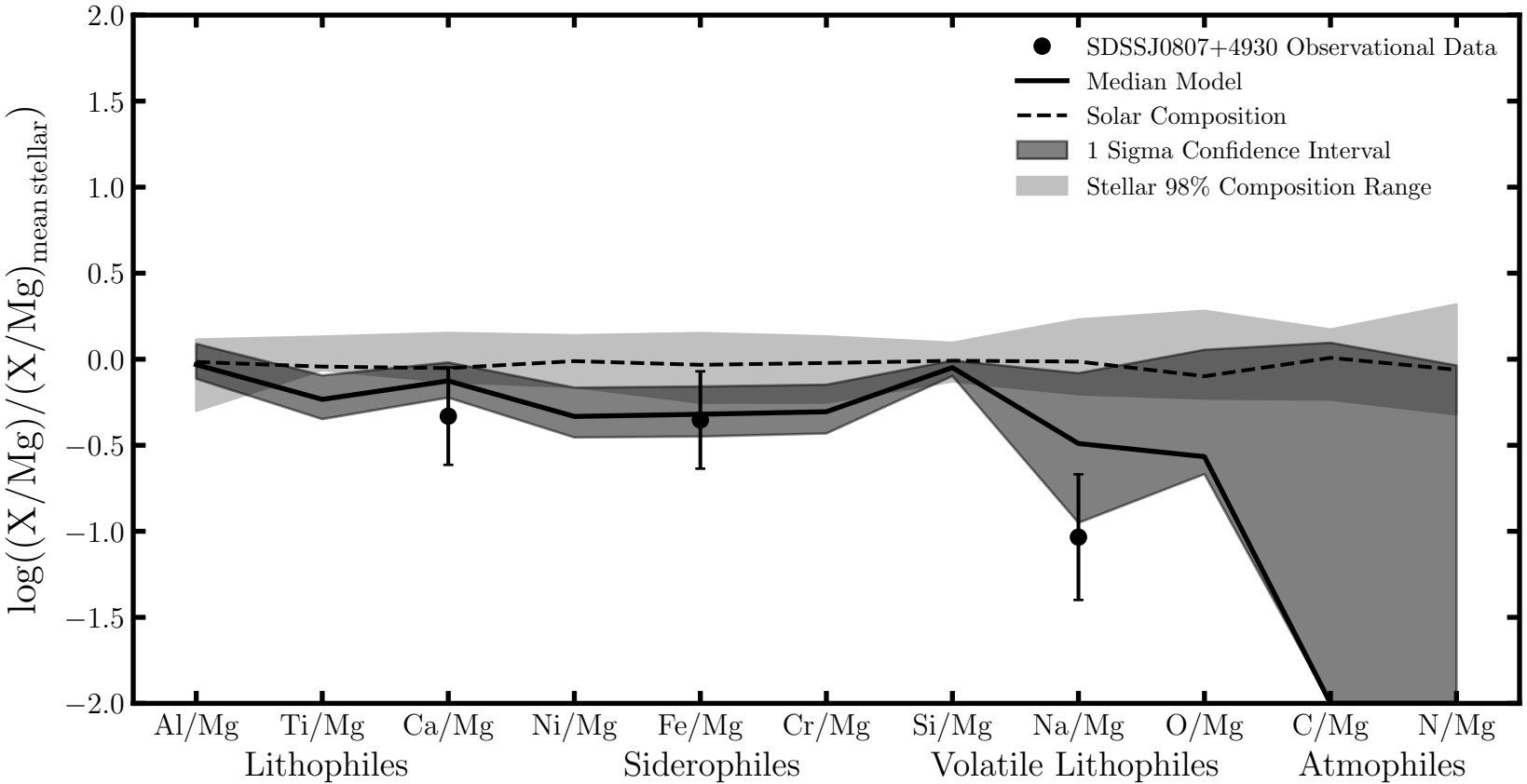

SDSSJ0744+4408 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

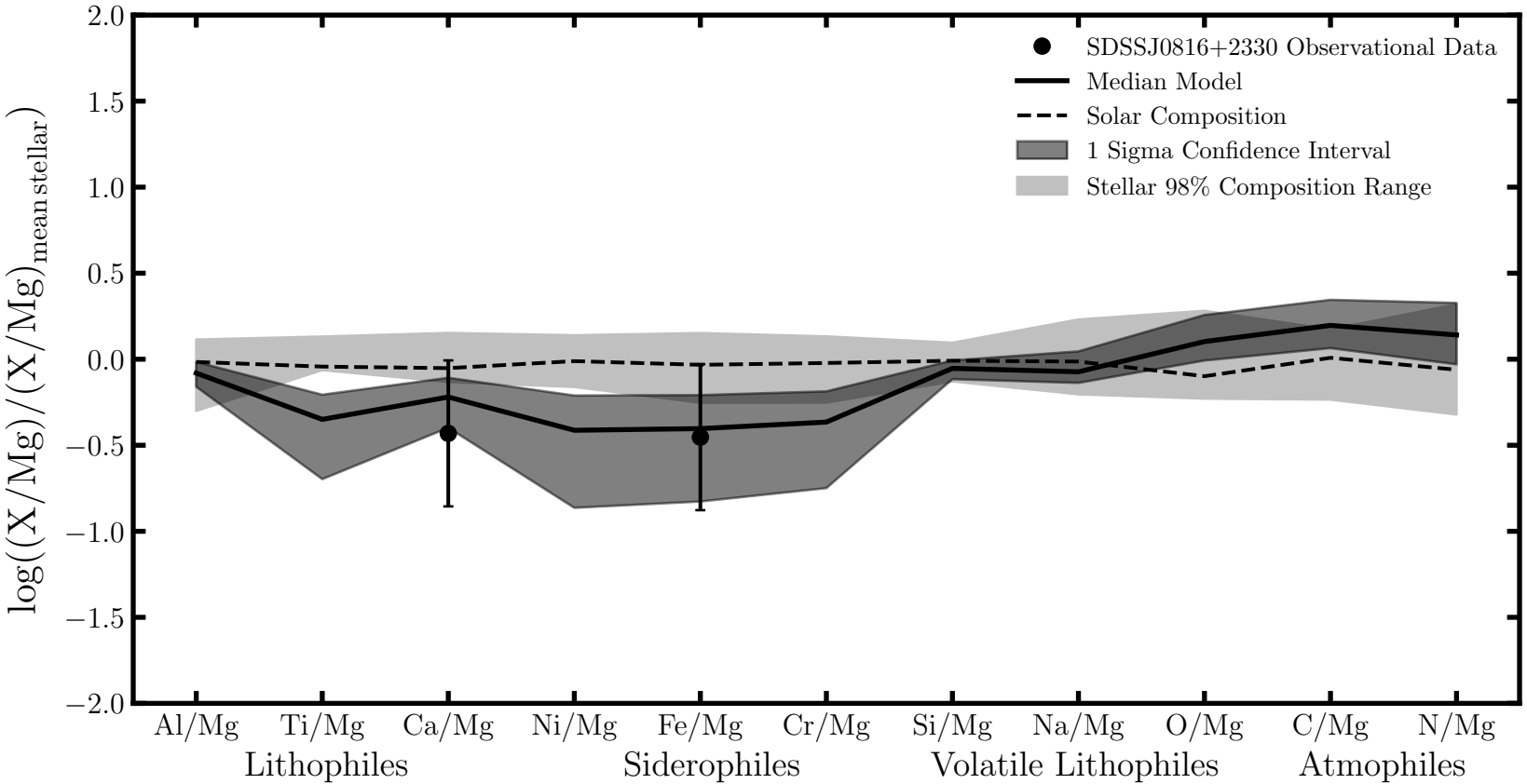

SDSSJ0744+4649 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

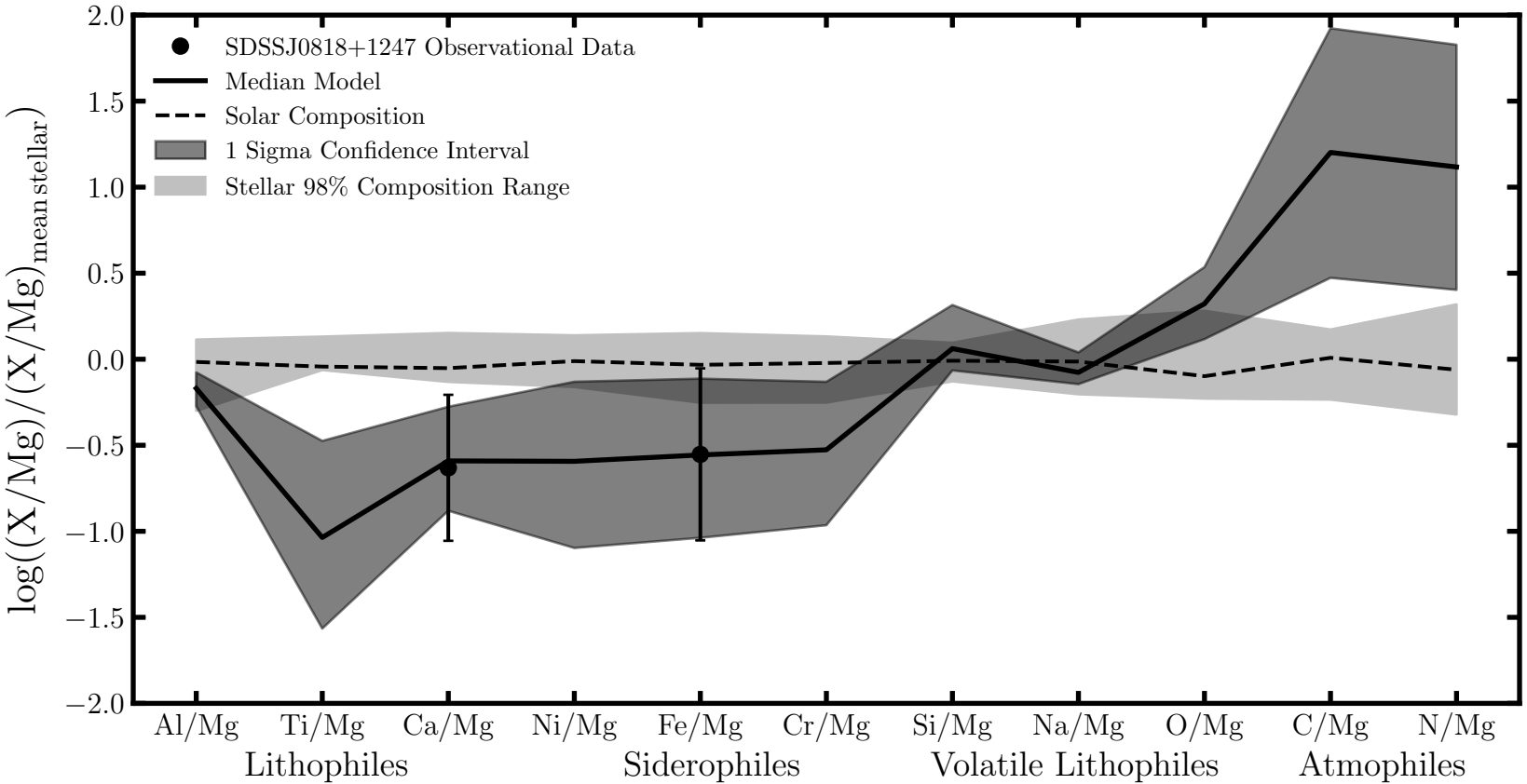

SDSSJ0758+1013 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

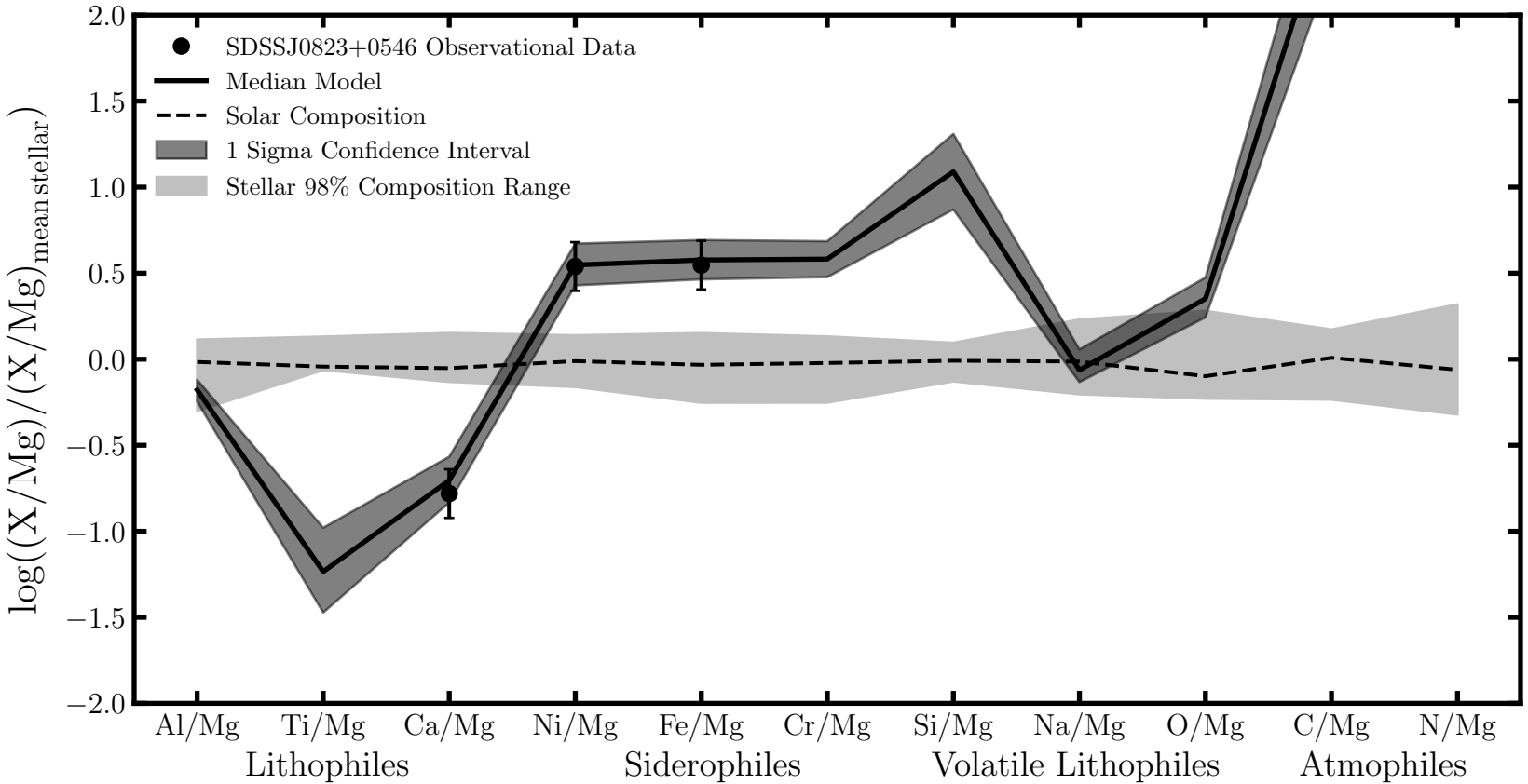

SDSSJ0800+2242 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

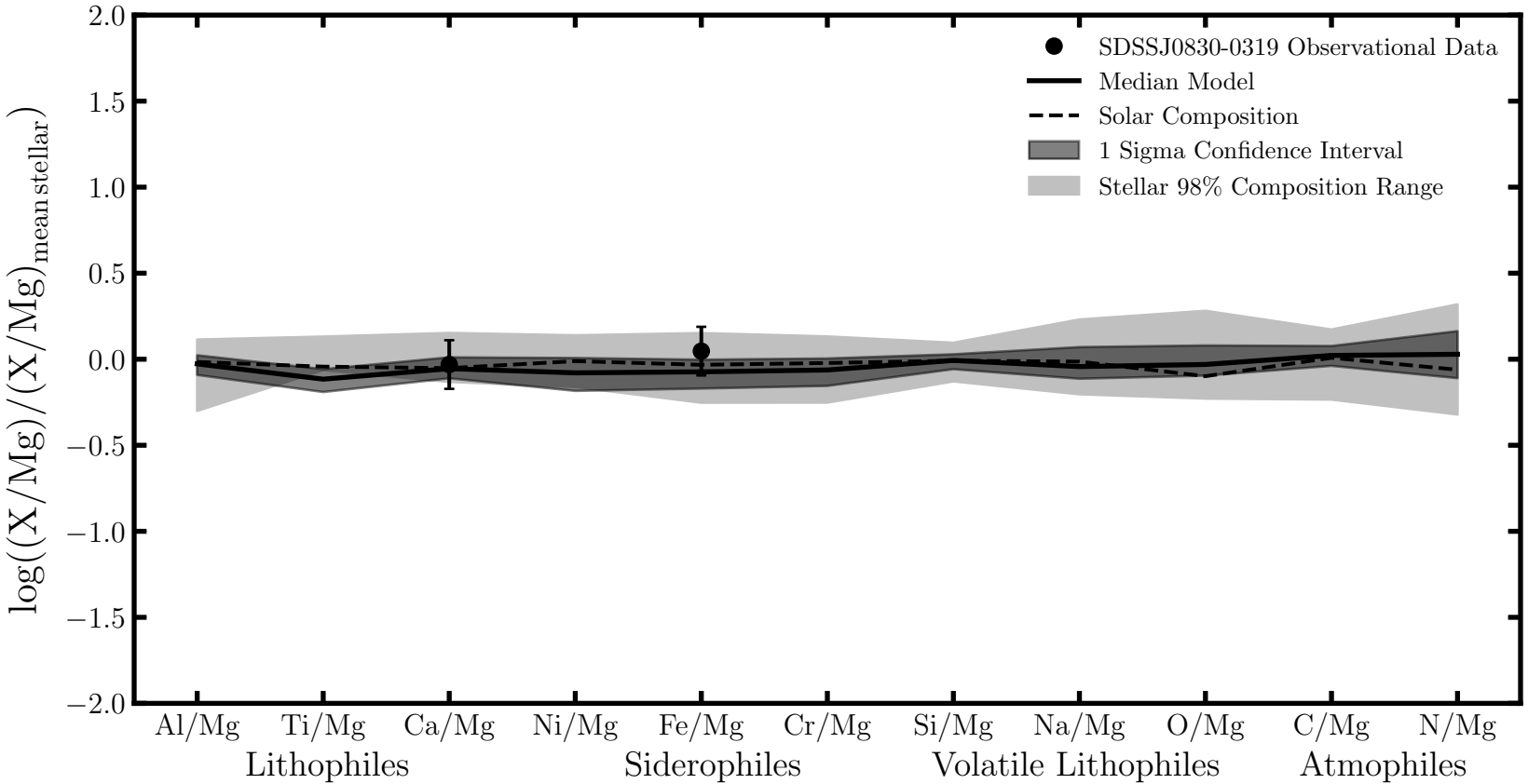

SDSSJ0806+3055 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

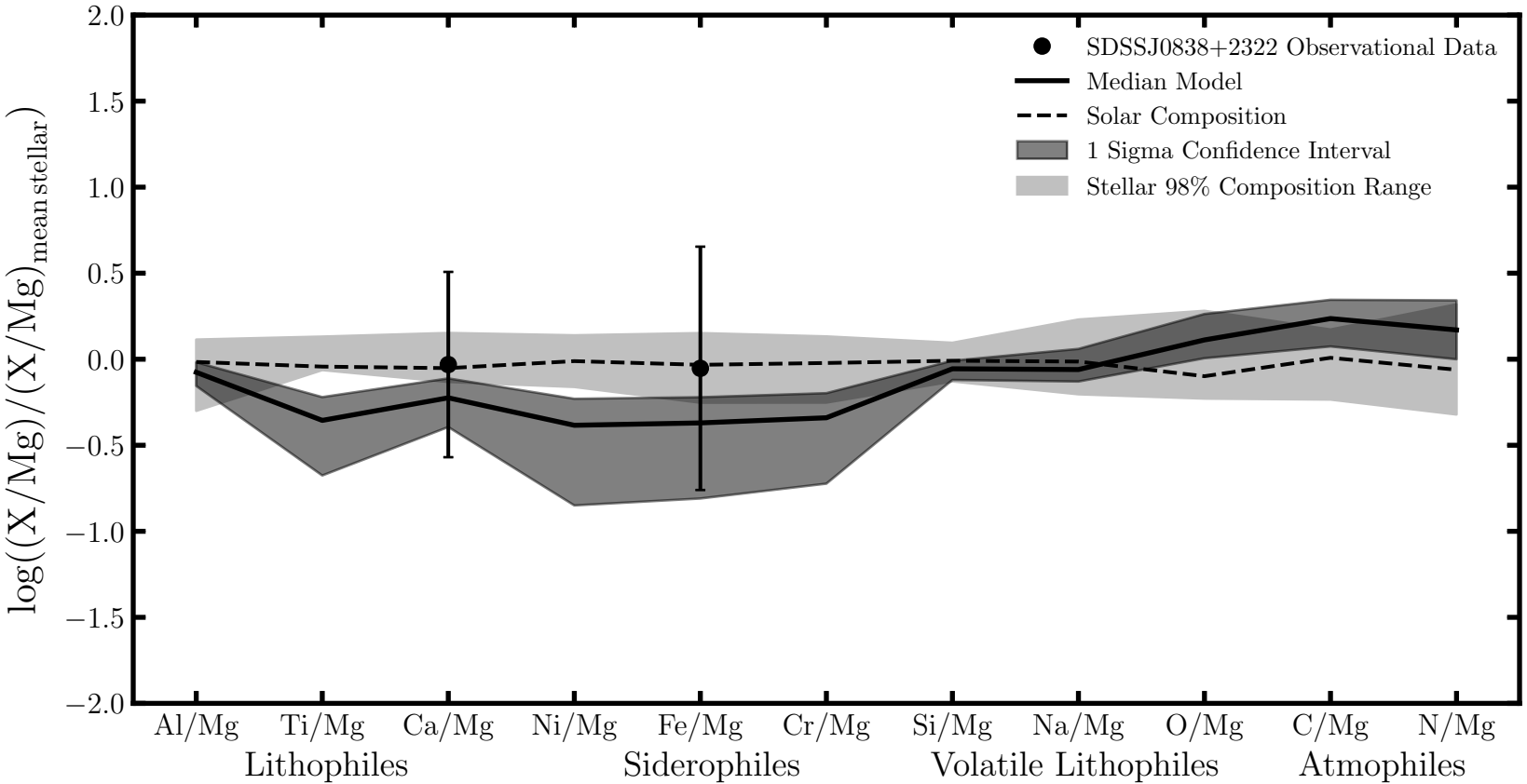

SDSSJ0807+4930 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

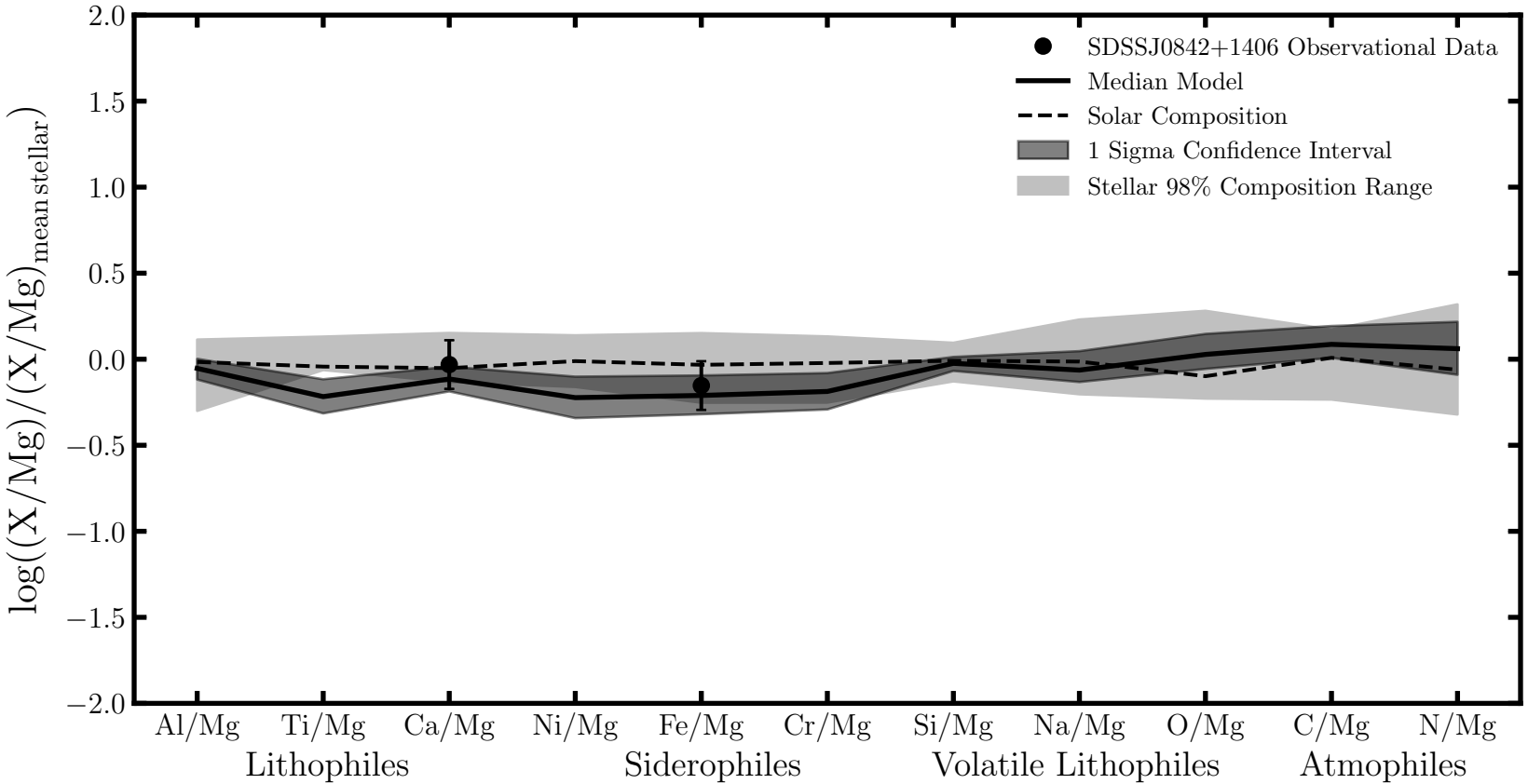

SDSSJ0816+2330 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

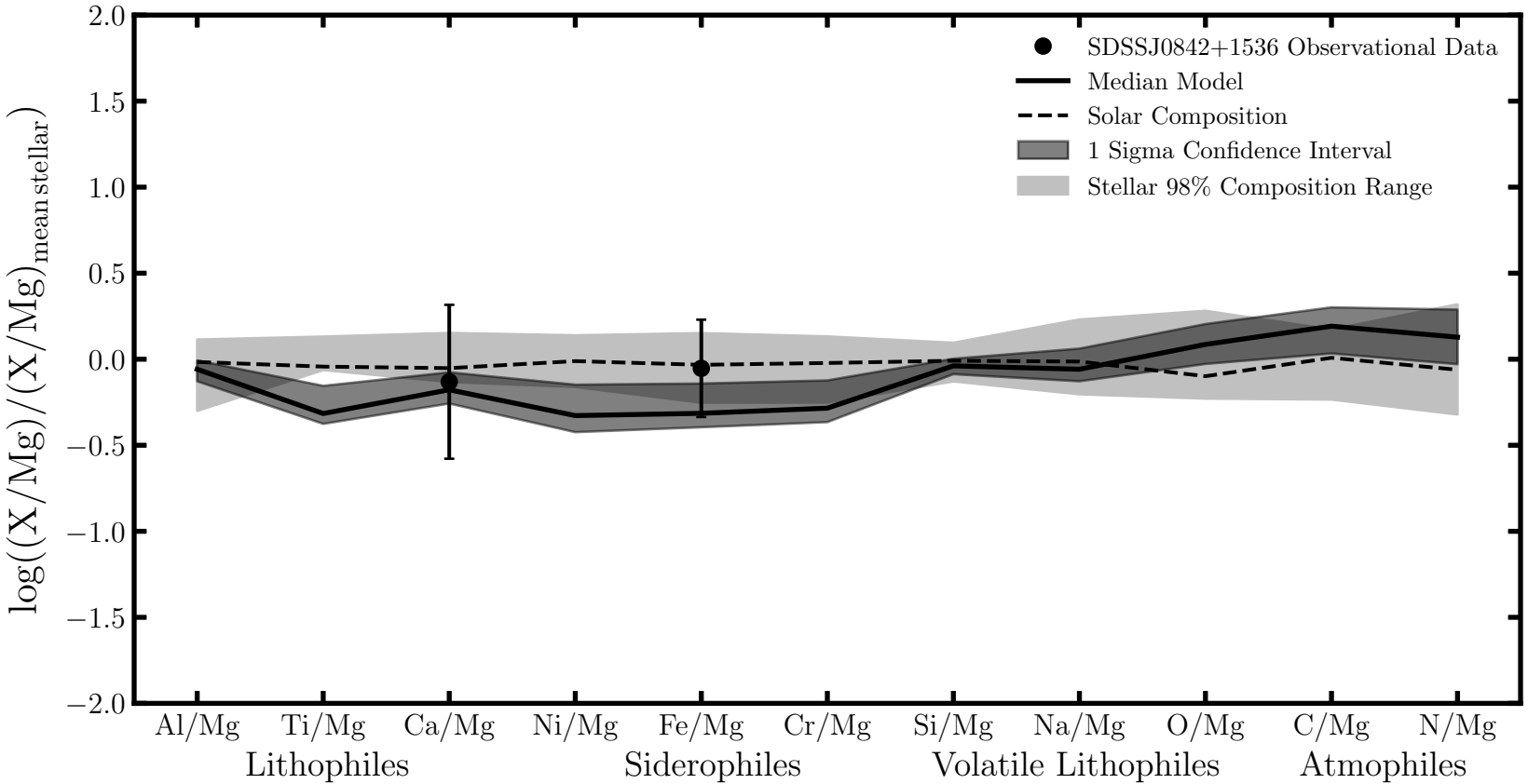

SDSSJ0818+1247 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

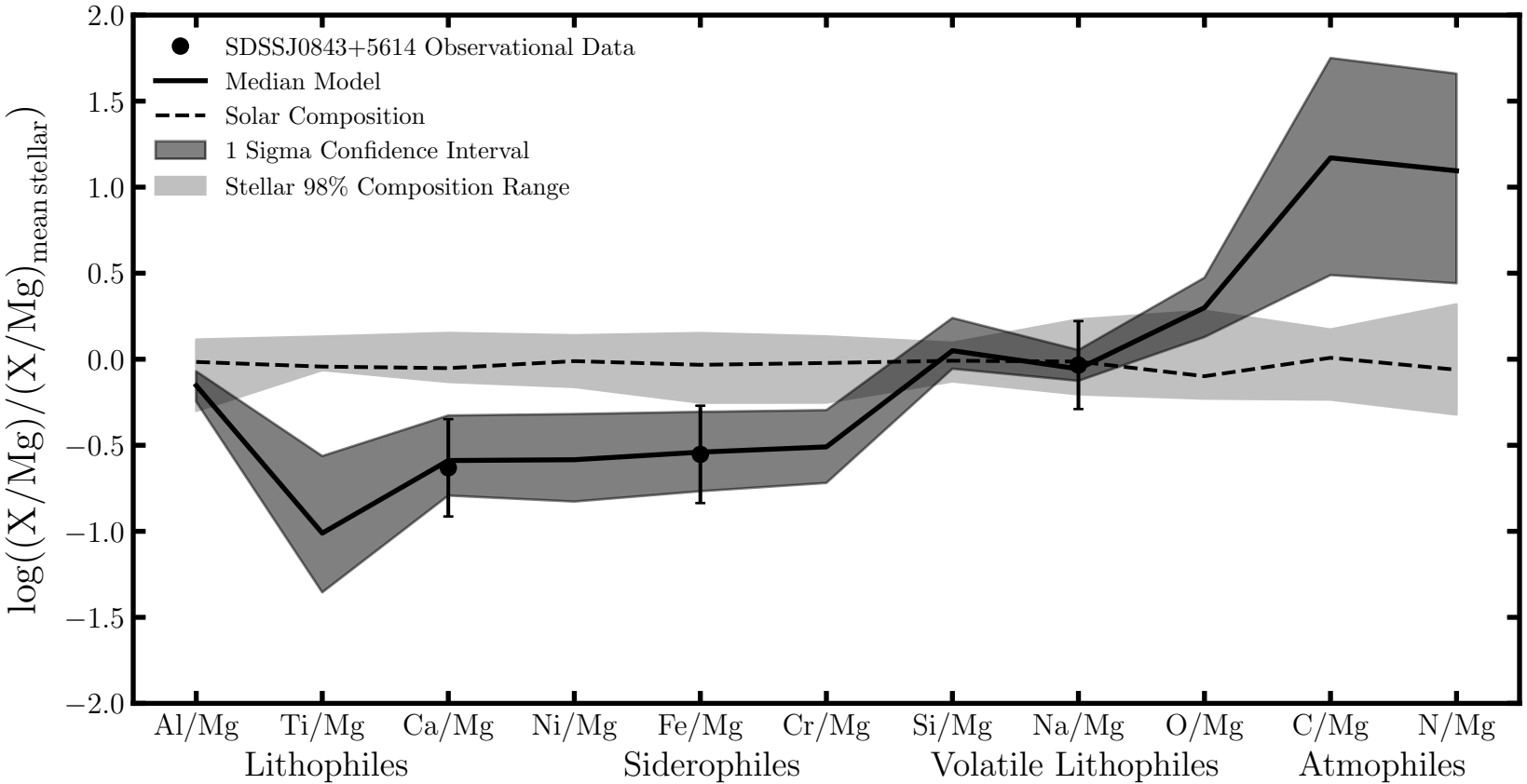

SDSSJ0823+0546 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

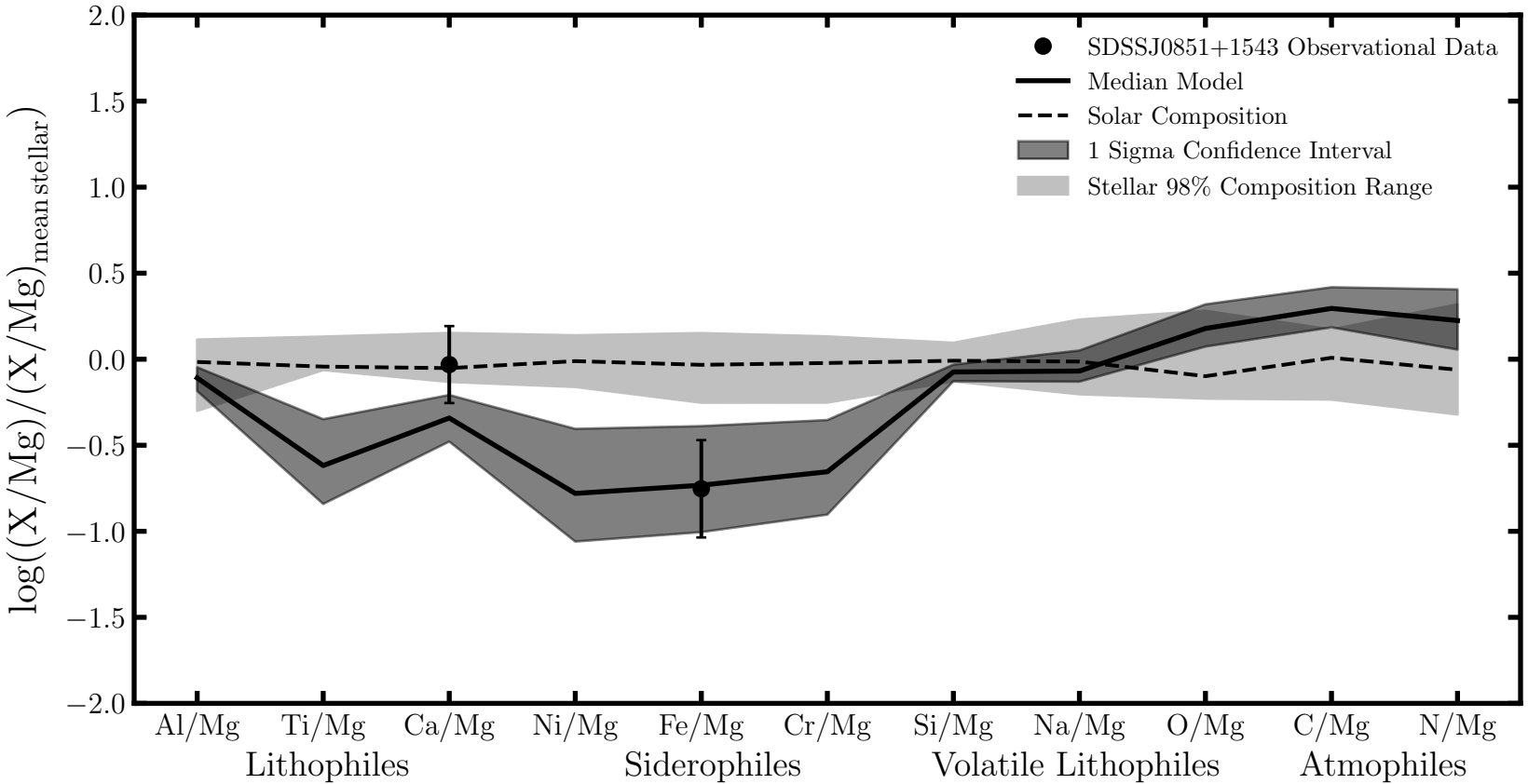

SDSSJ0830-0319 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

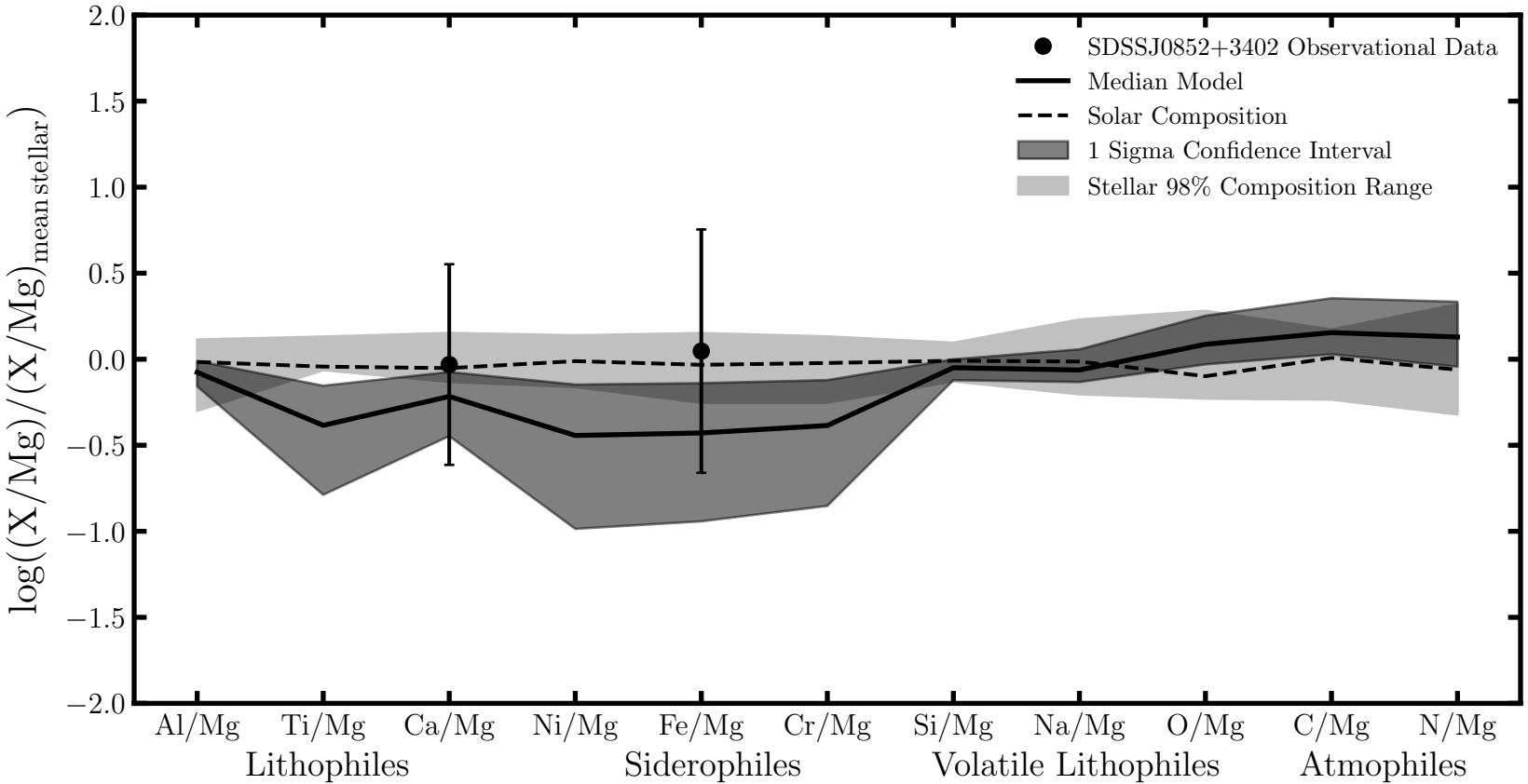

SDSSJ0838+2322 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

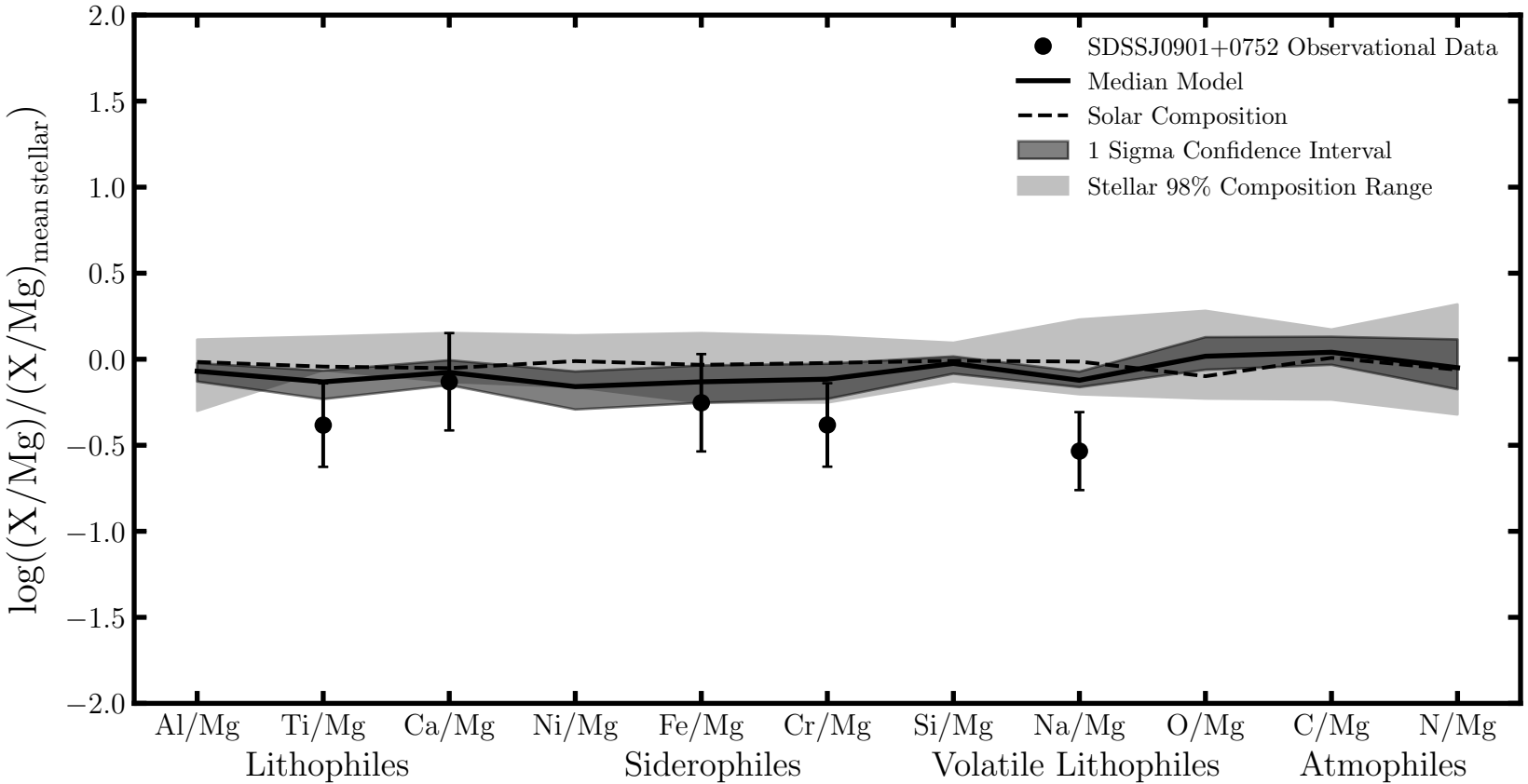

SDSSJ0842+1406 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

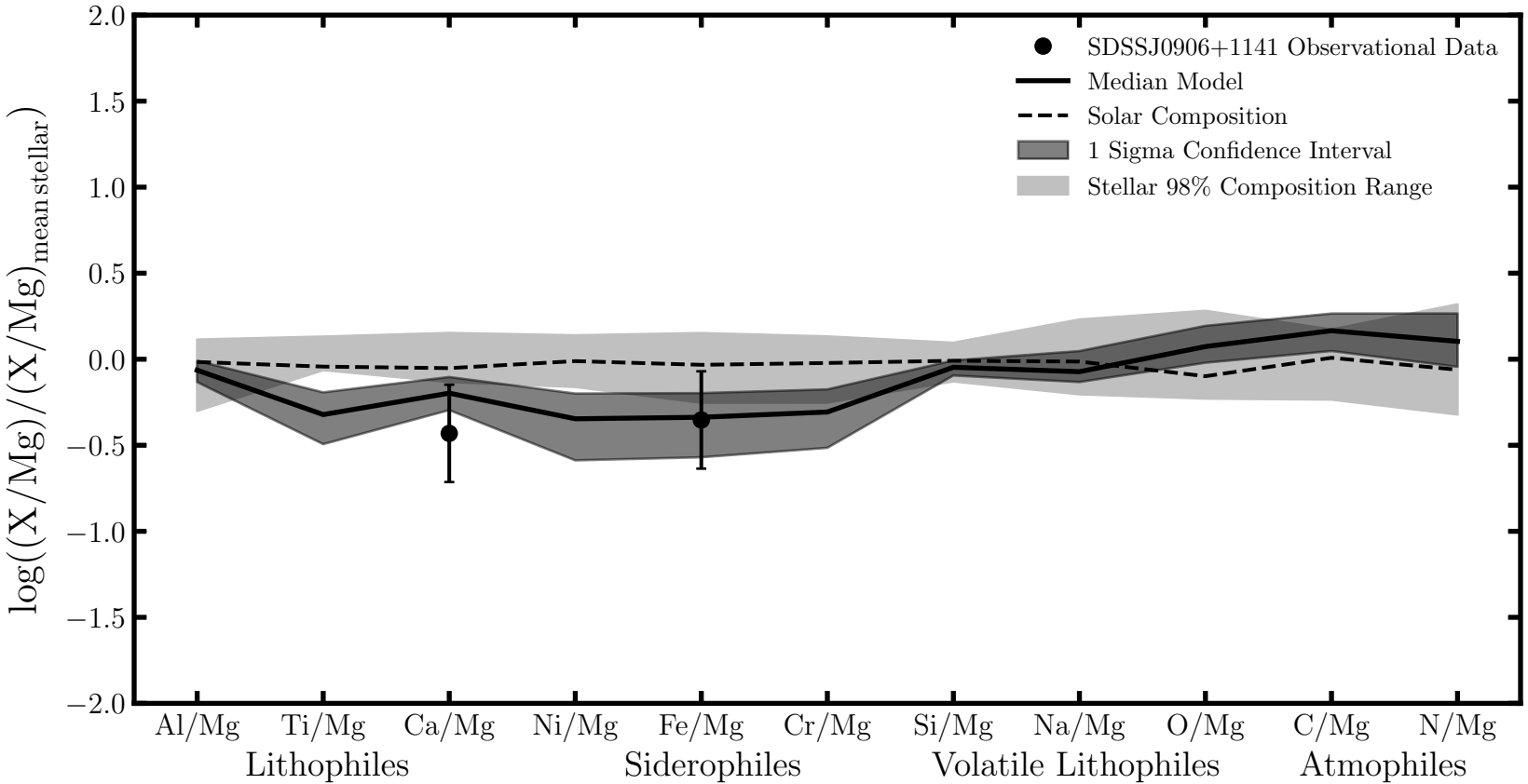

SDSSJ0842+1536 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

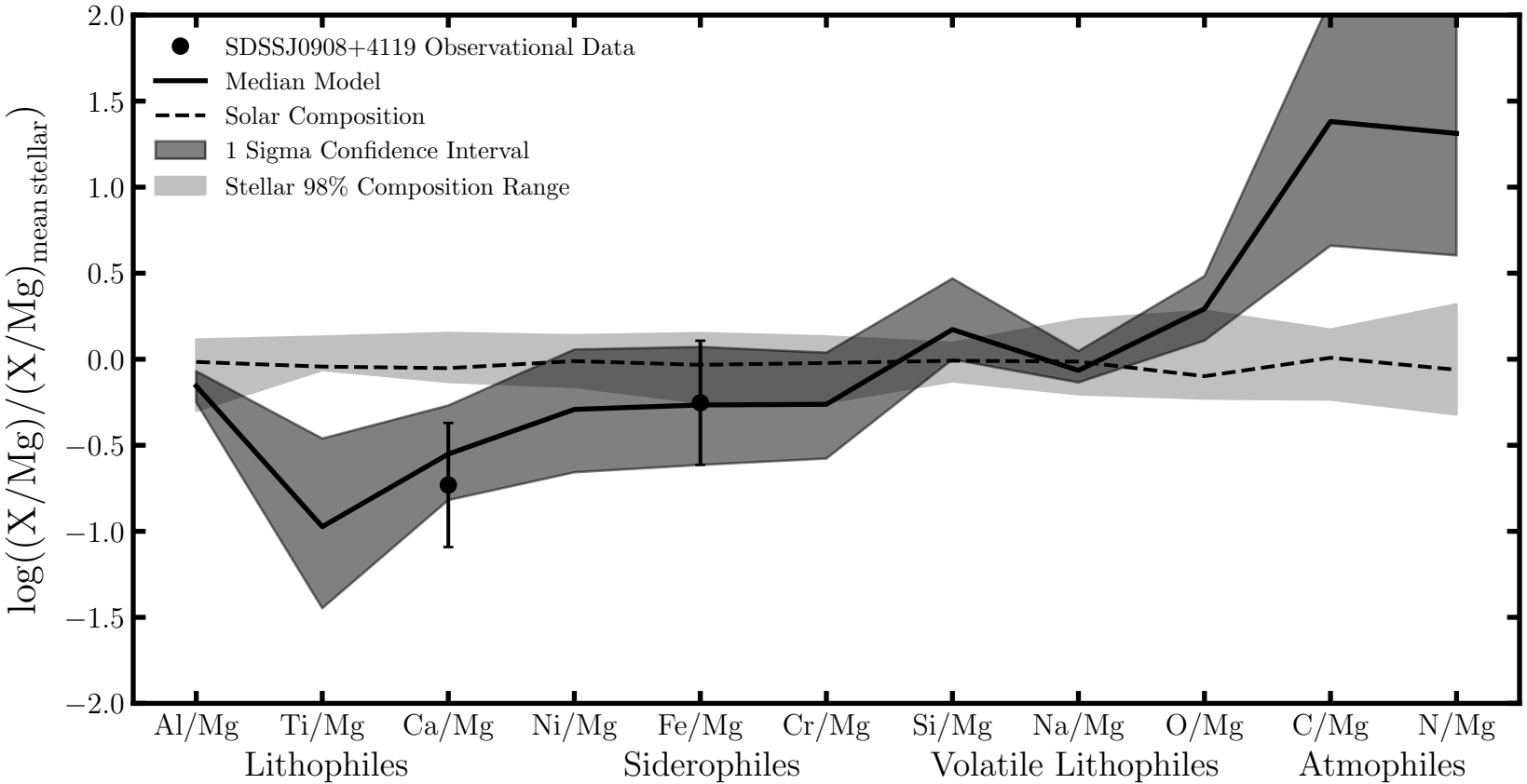

SDSSJ0843+5614 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

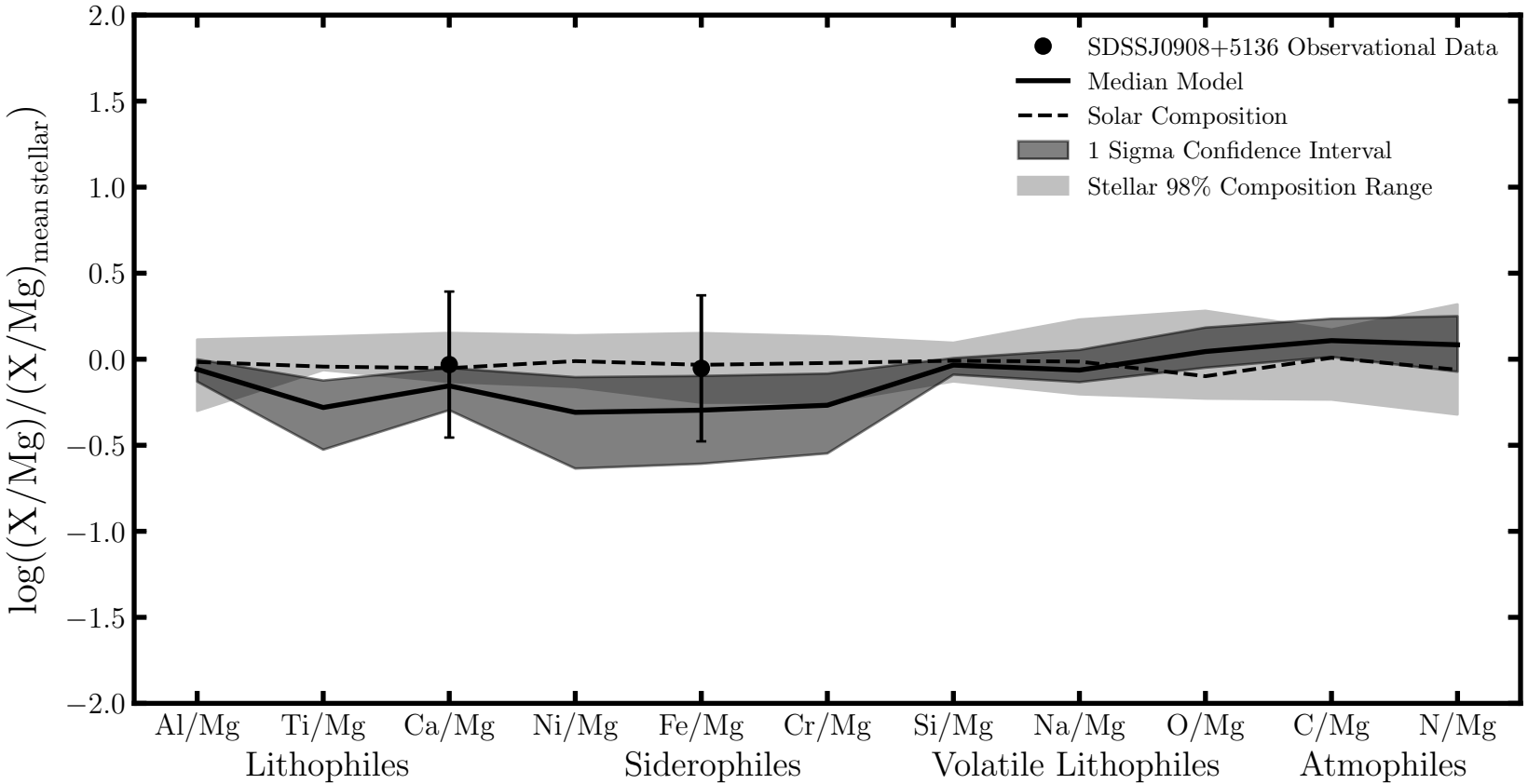

SDSSJ0851+1543 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

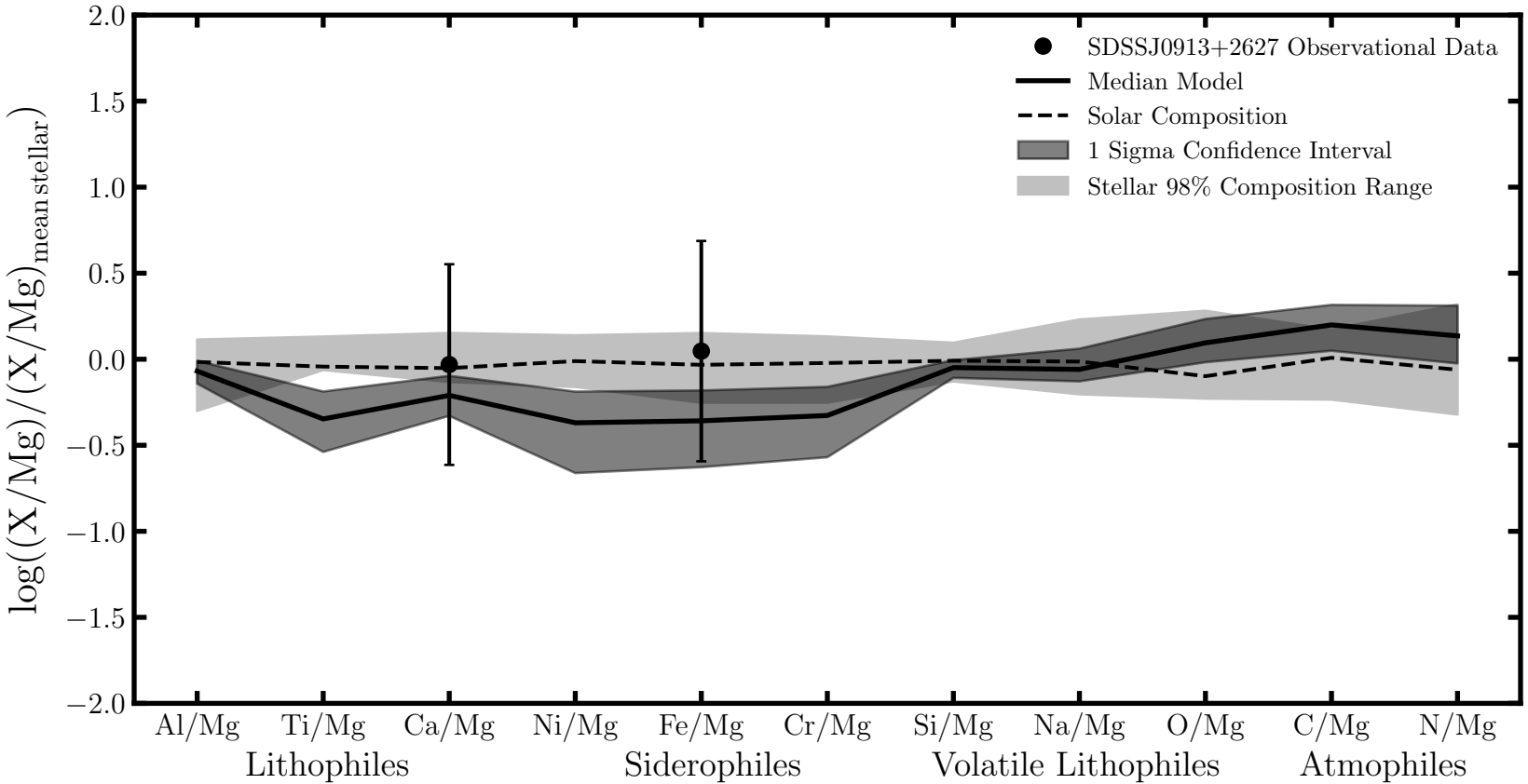

SDSSJ0852+3402 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

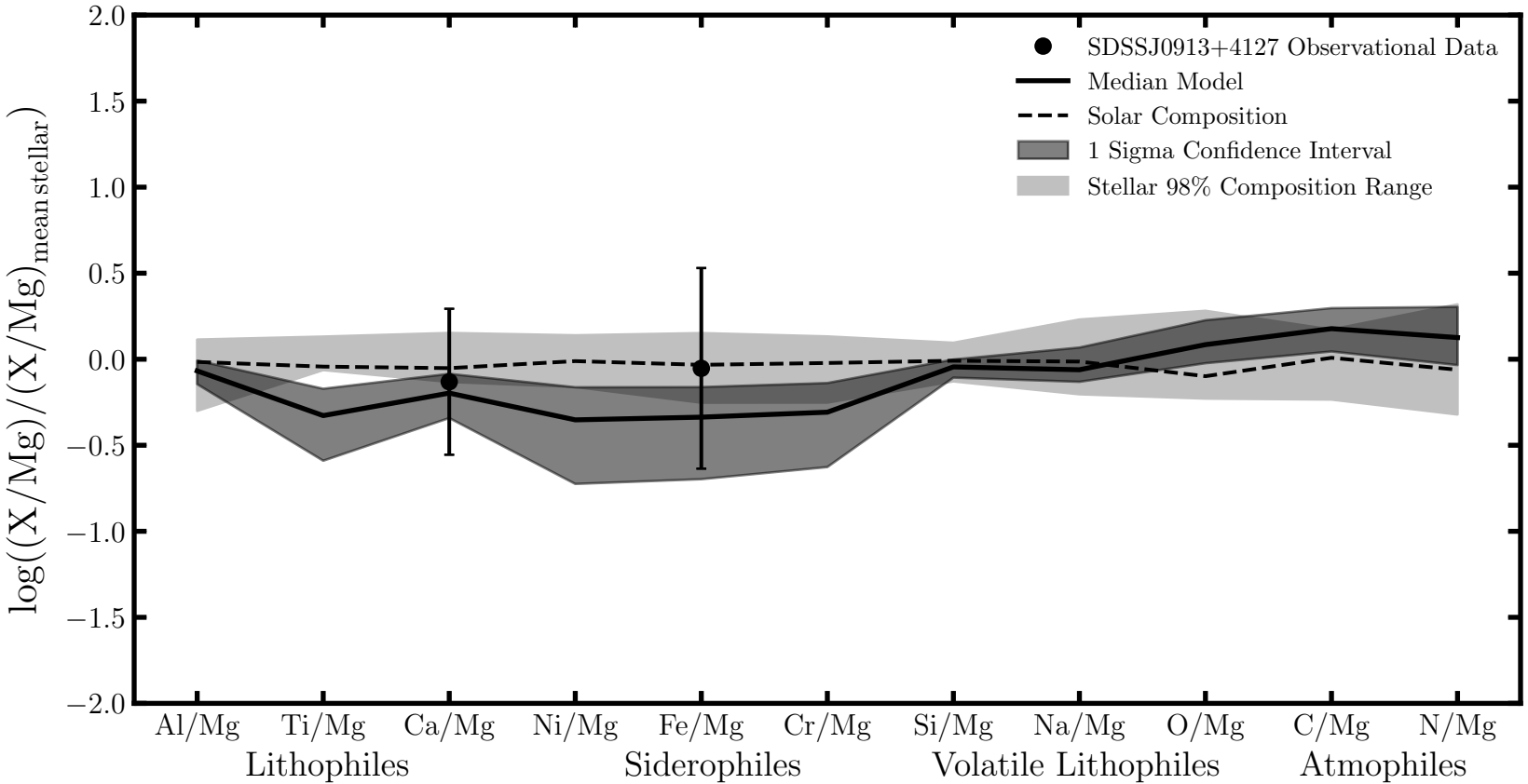

SDSSJ0901+0752 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

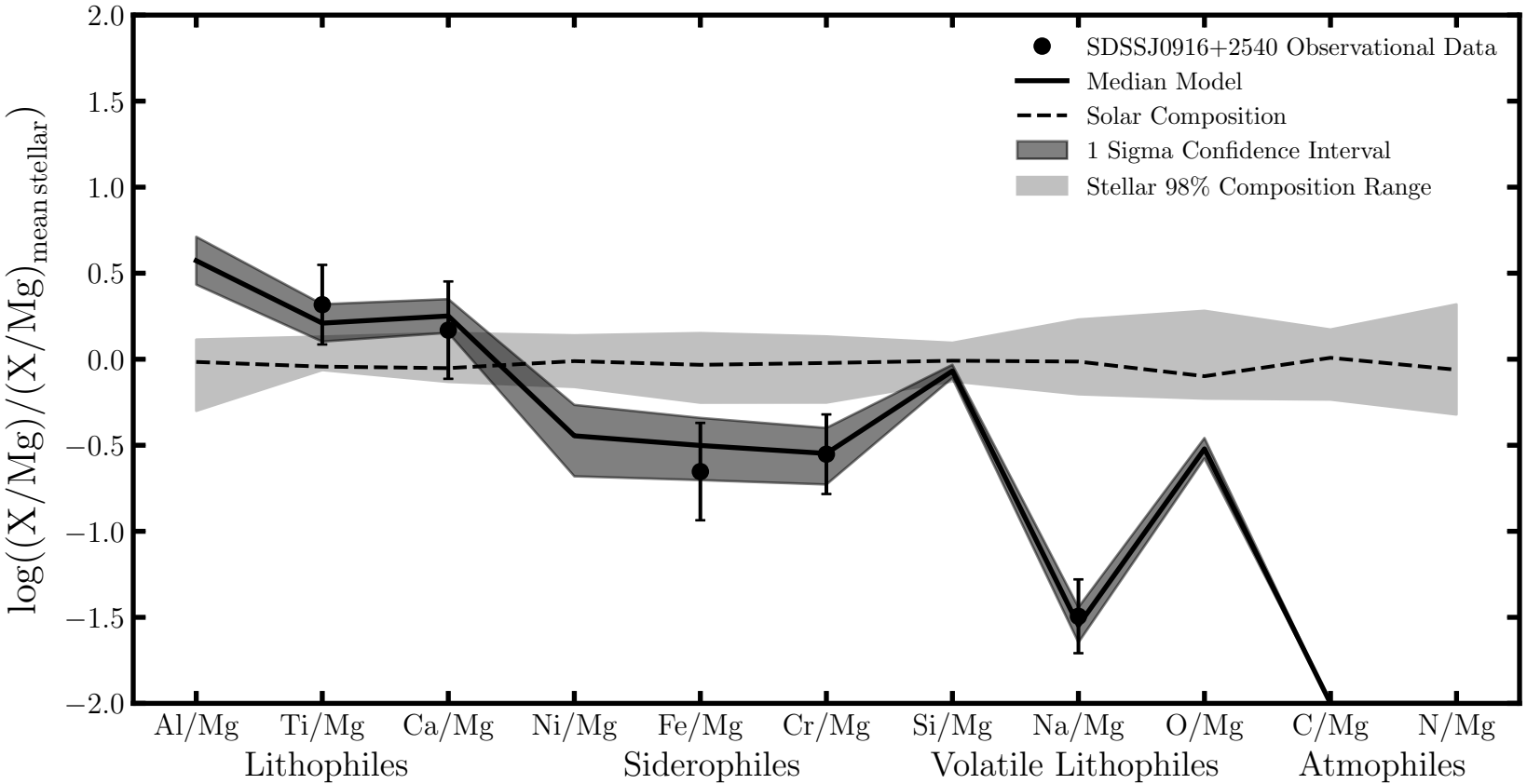

SDSSJ0906+1141 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

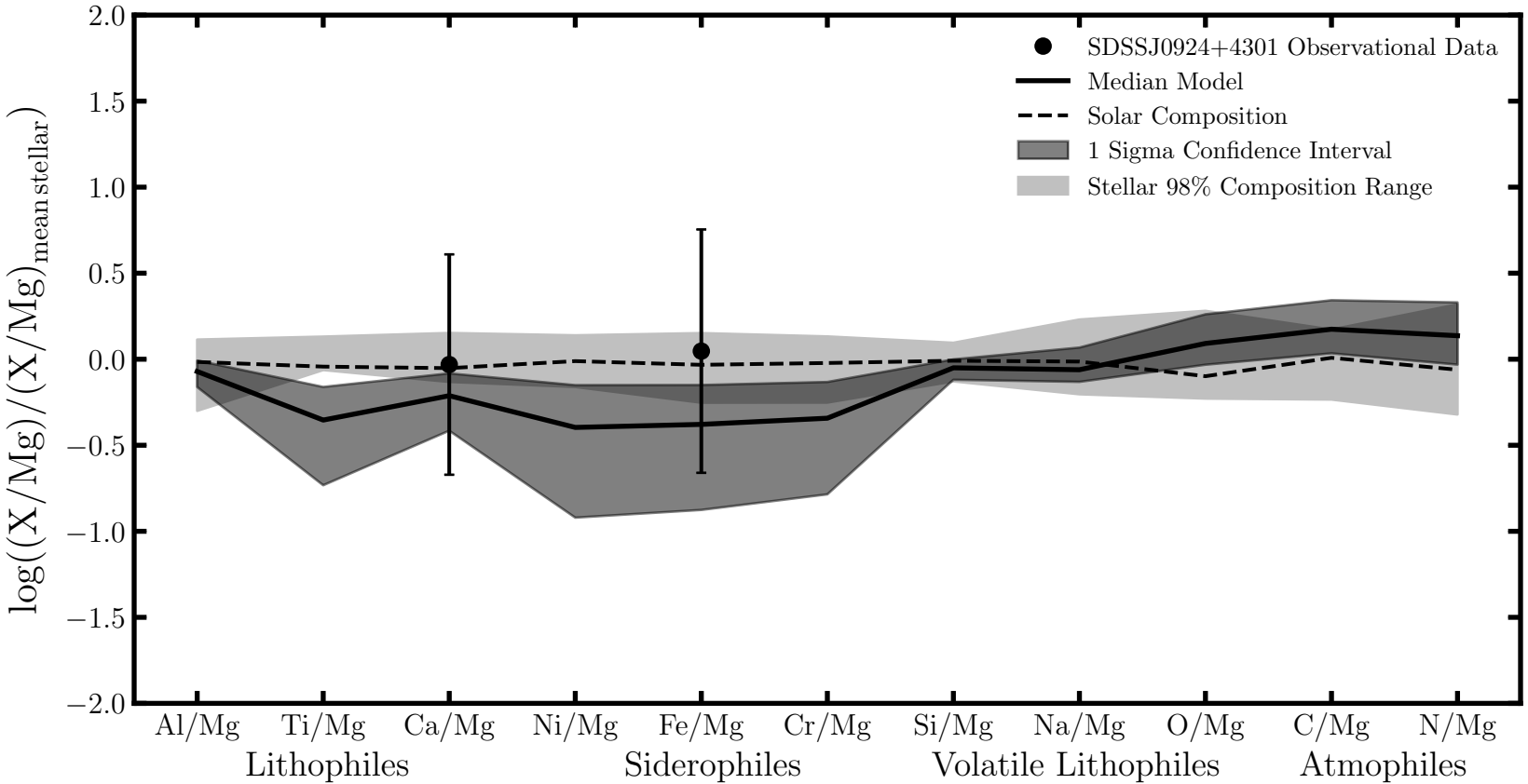

SDSSJ0908+4119 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

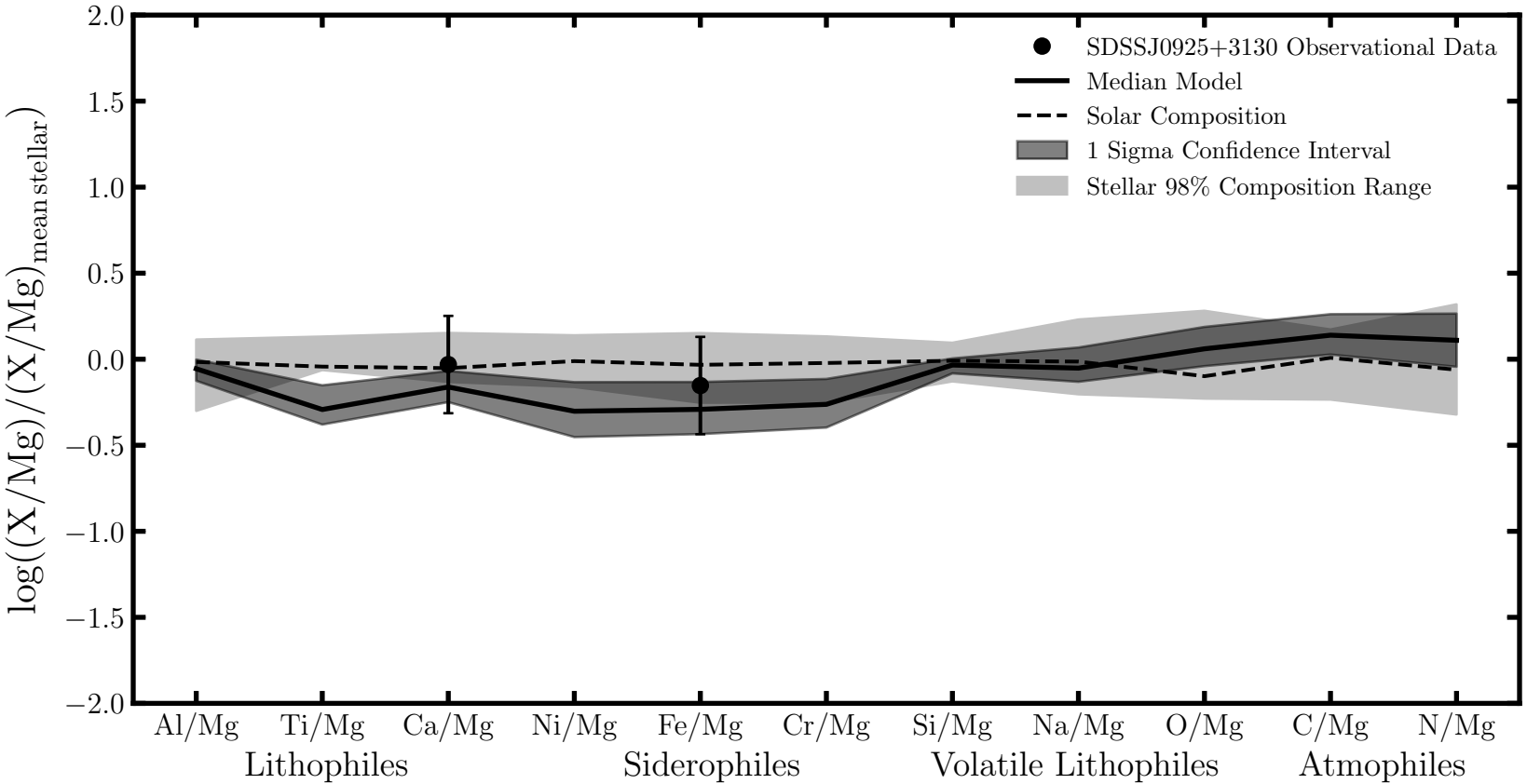

SDSSJ0908+5136 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

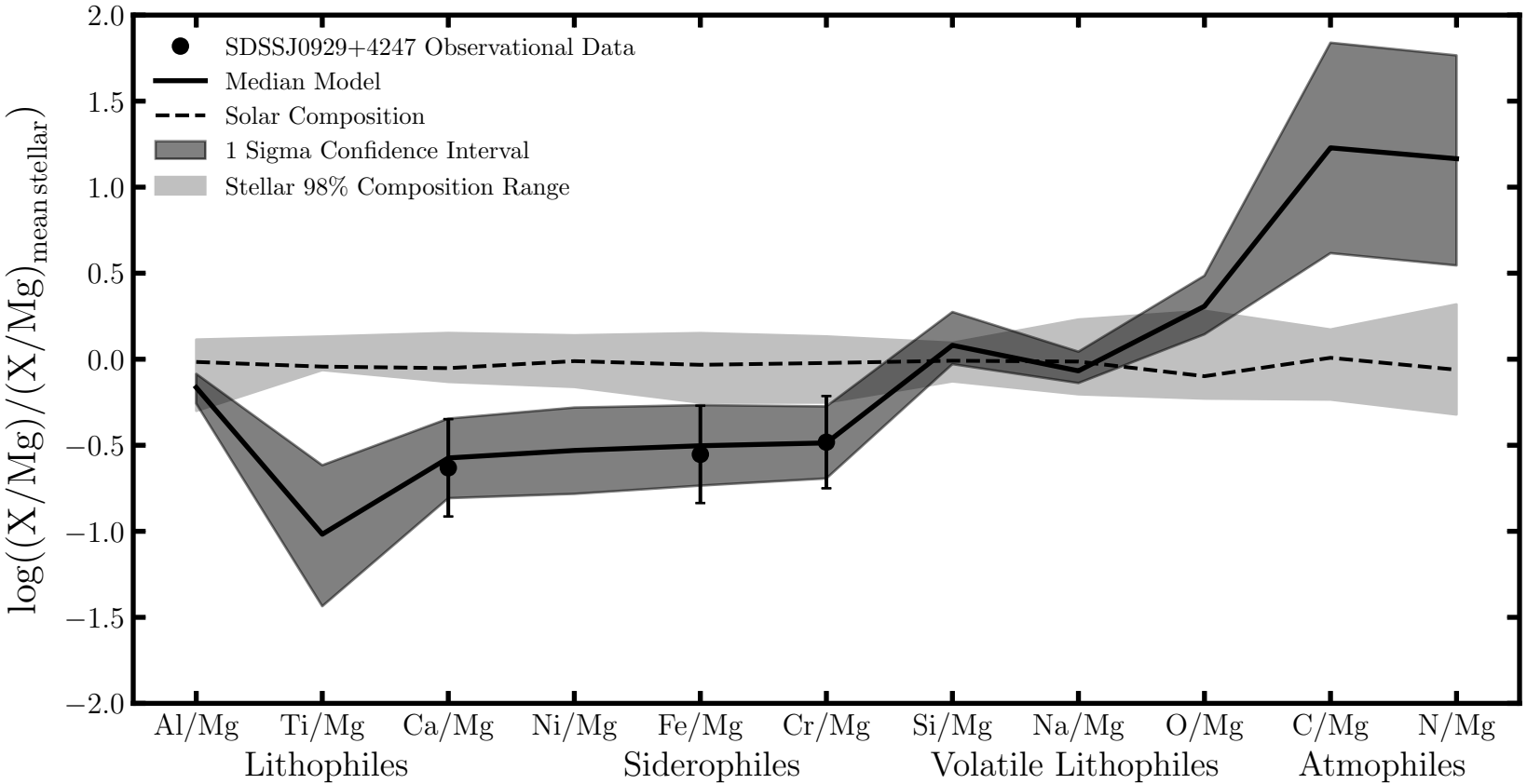

SDSSJ0913+2627 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

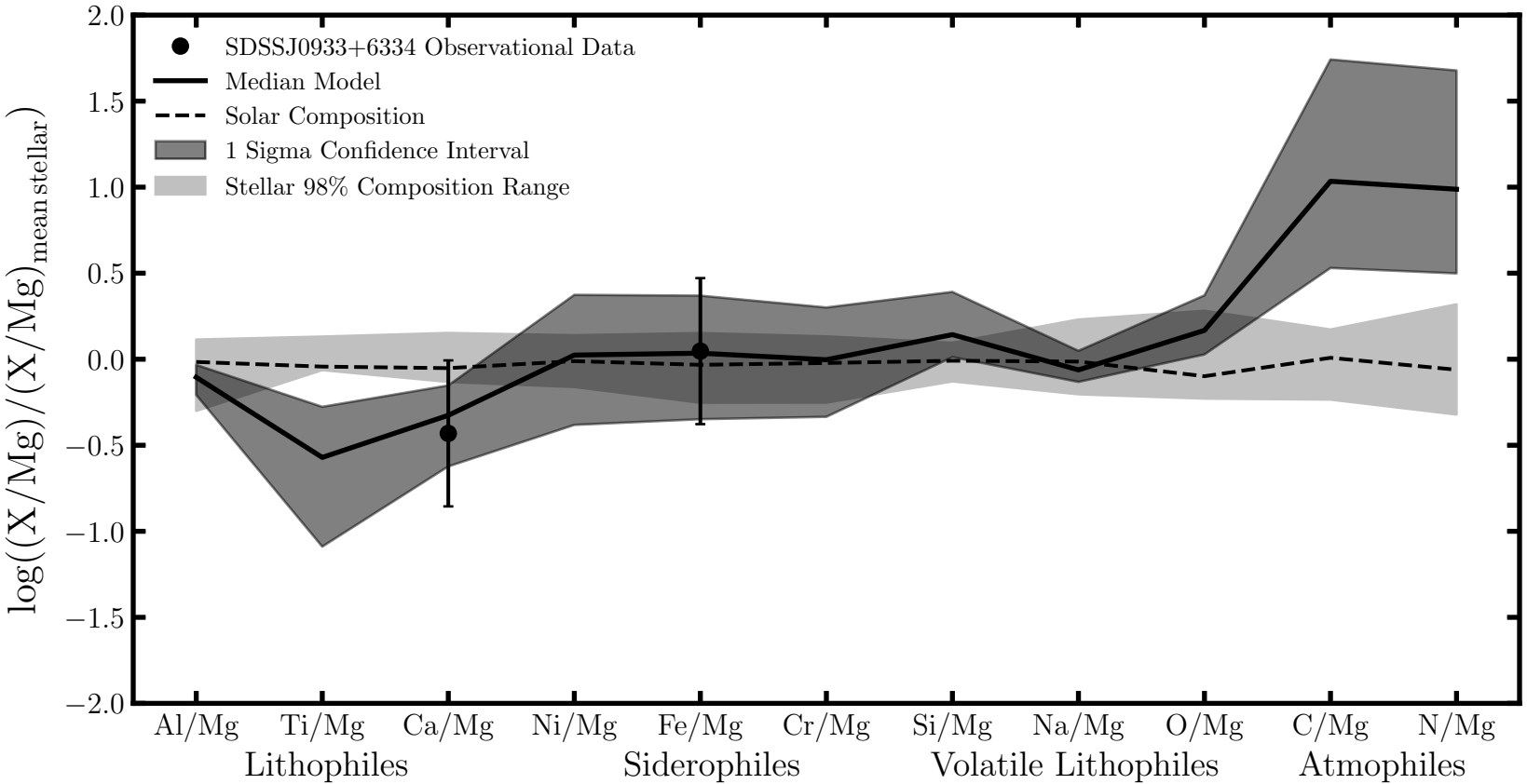

SDSSJ0913+4127 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

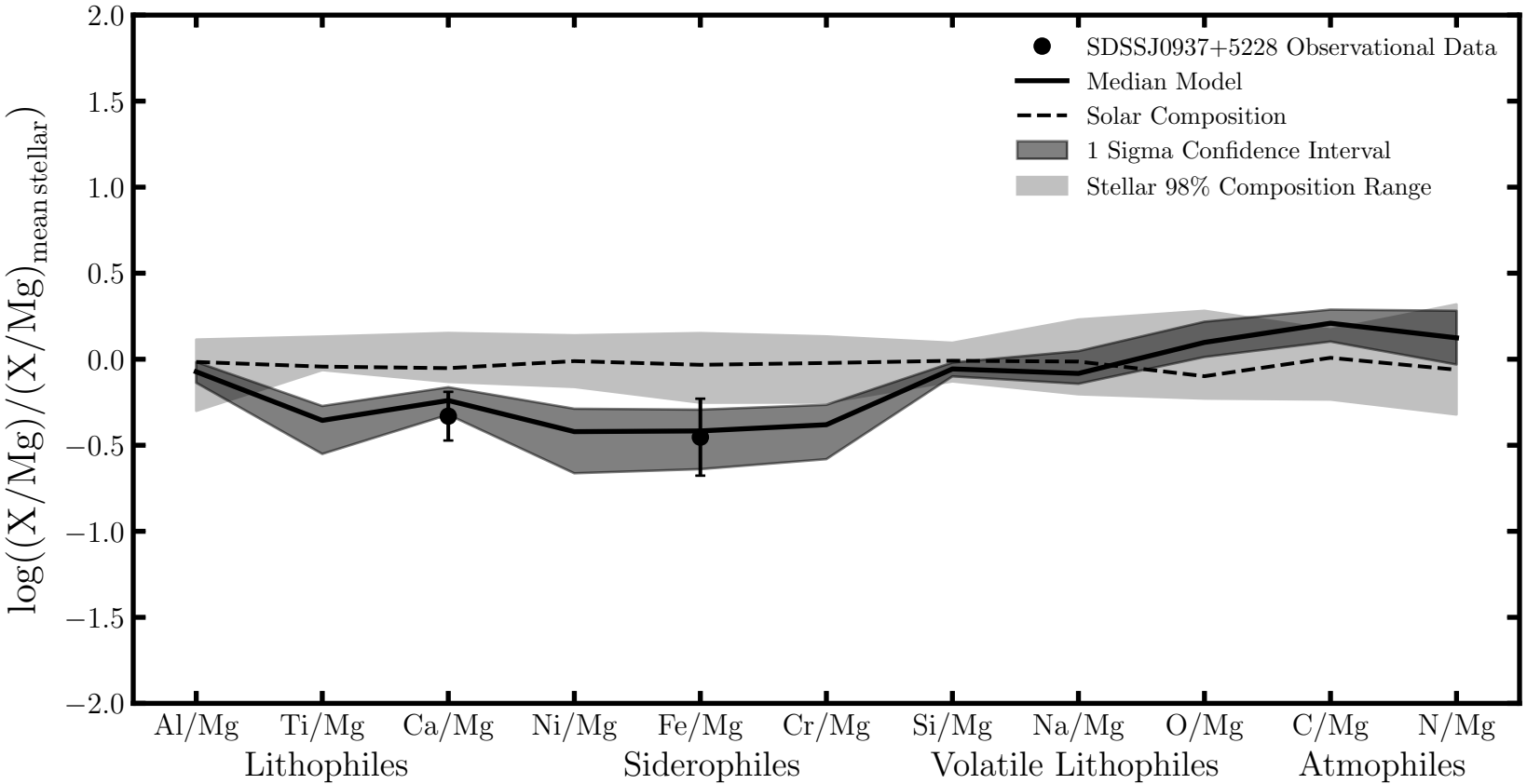

SDSSJ0916+2540 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

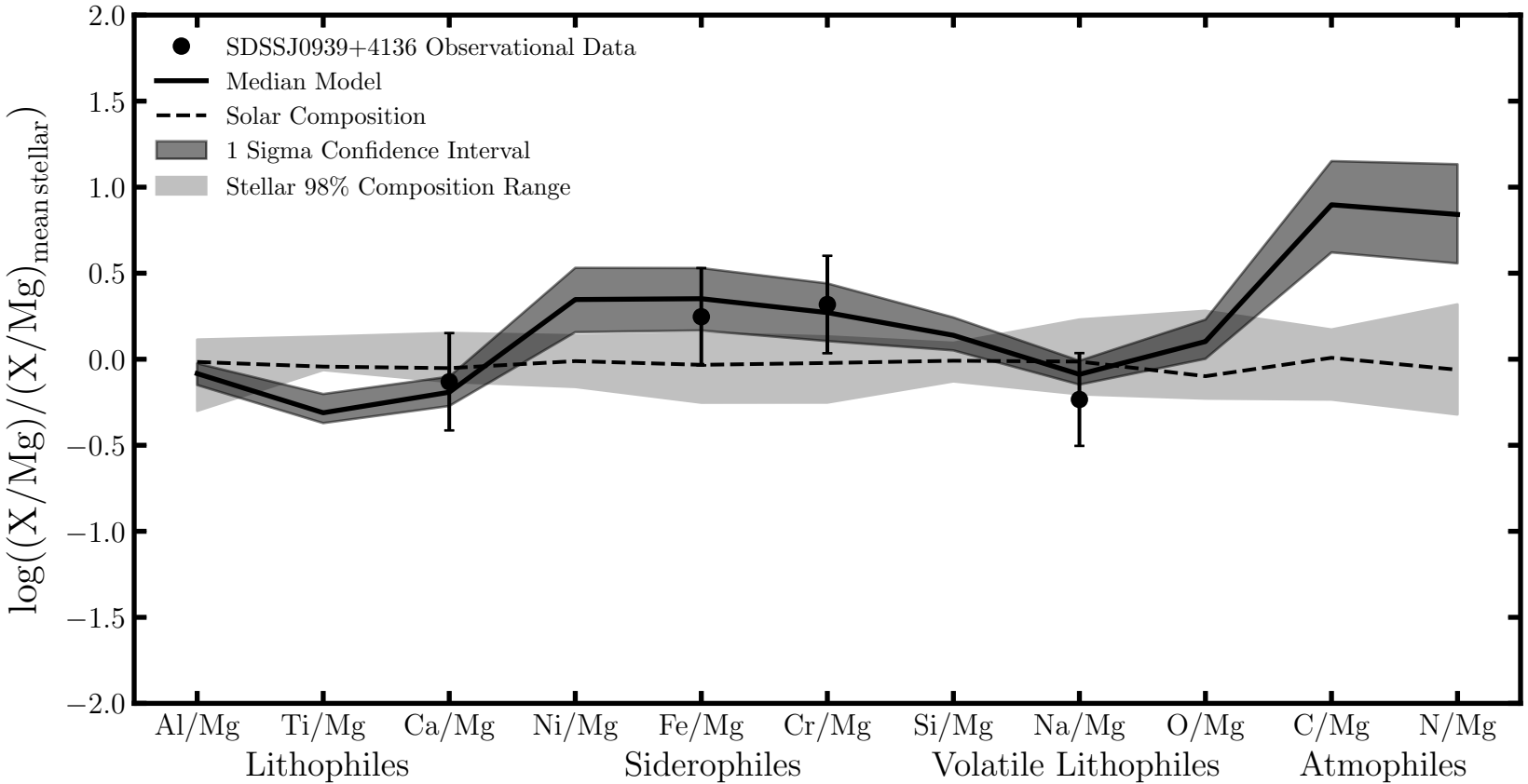

SDSSJ0924+4301 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

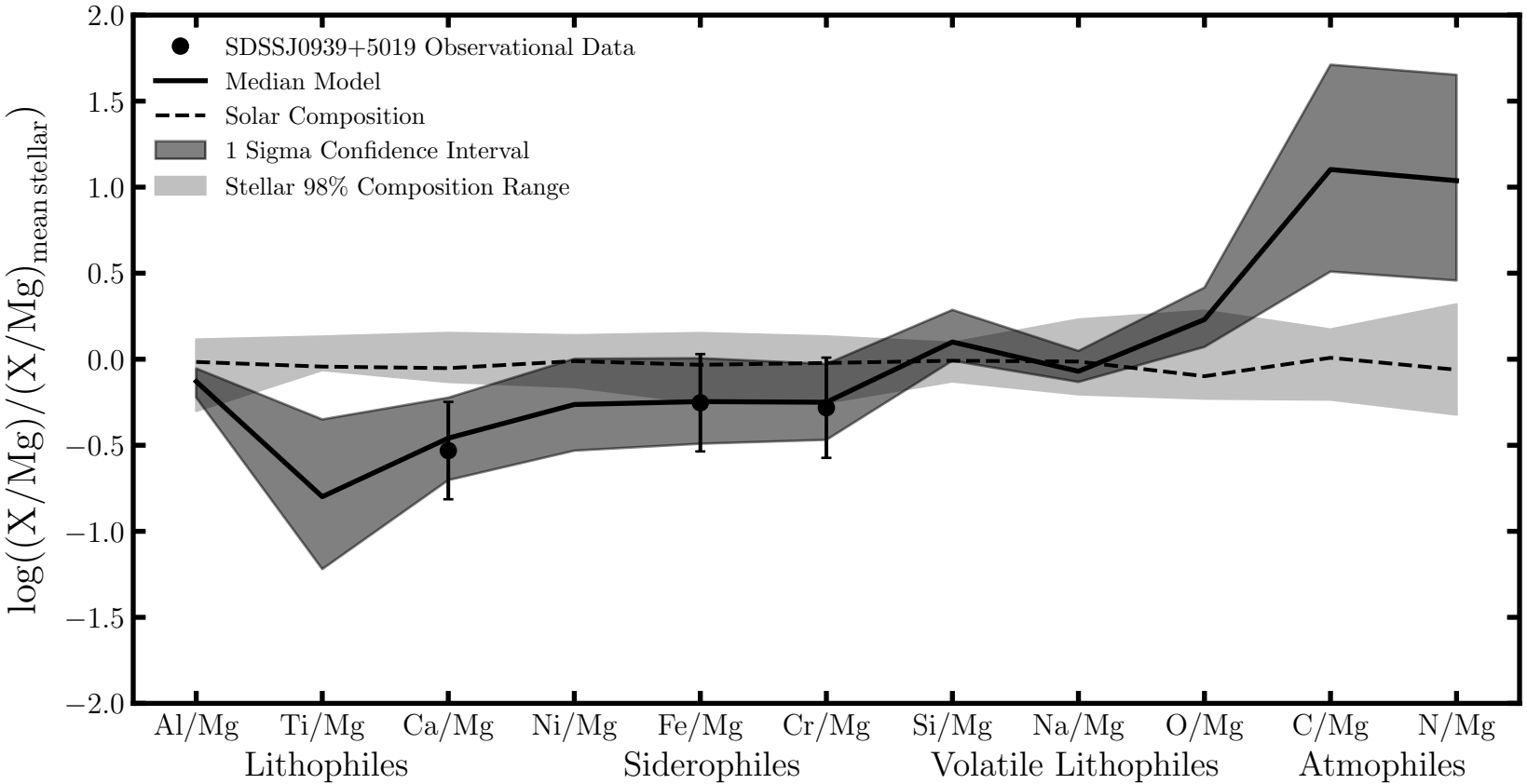

SDSSJ0925+3130 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

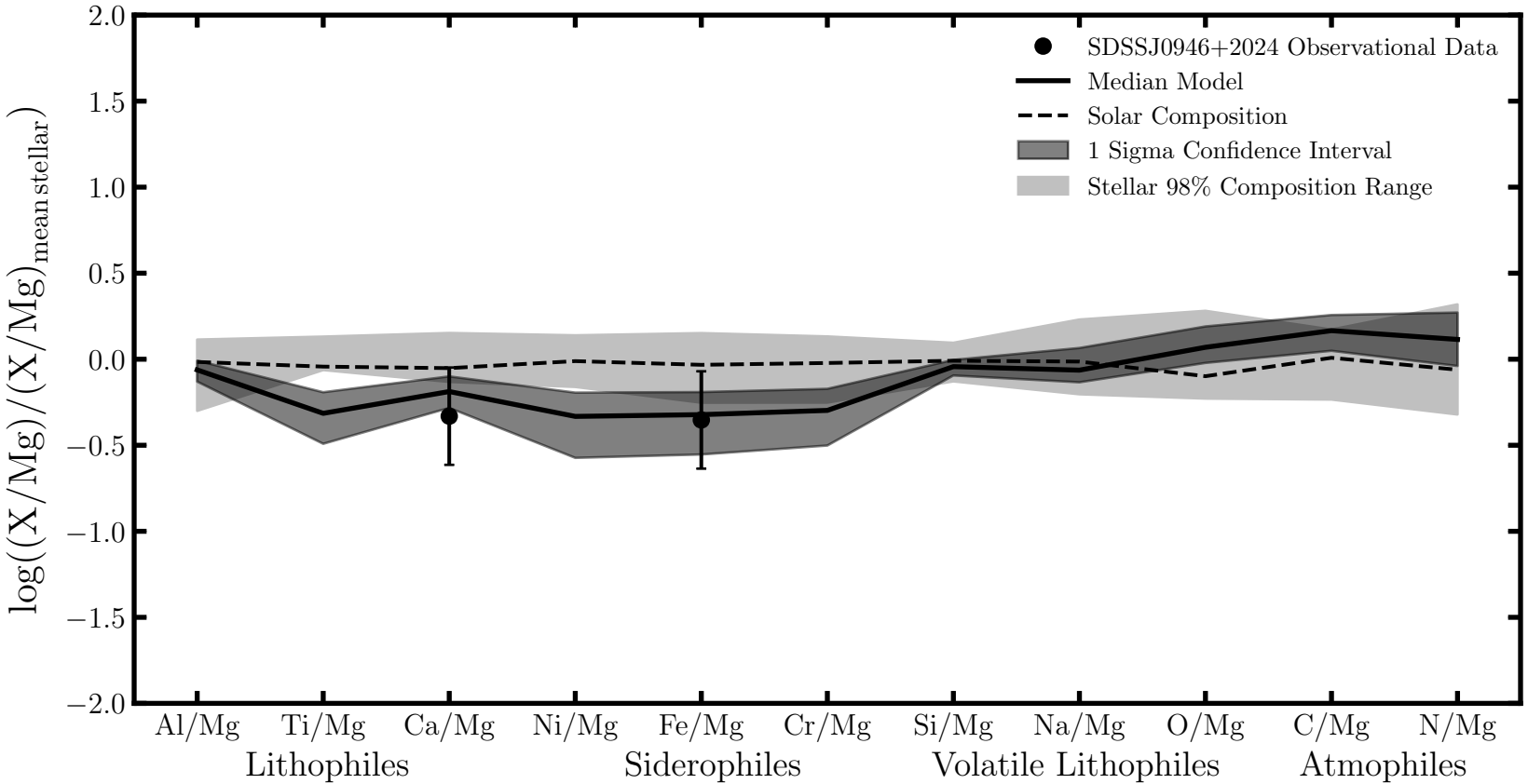

SDSSJ0929+4247 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

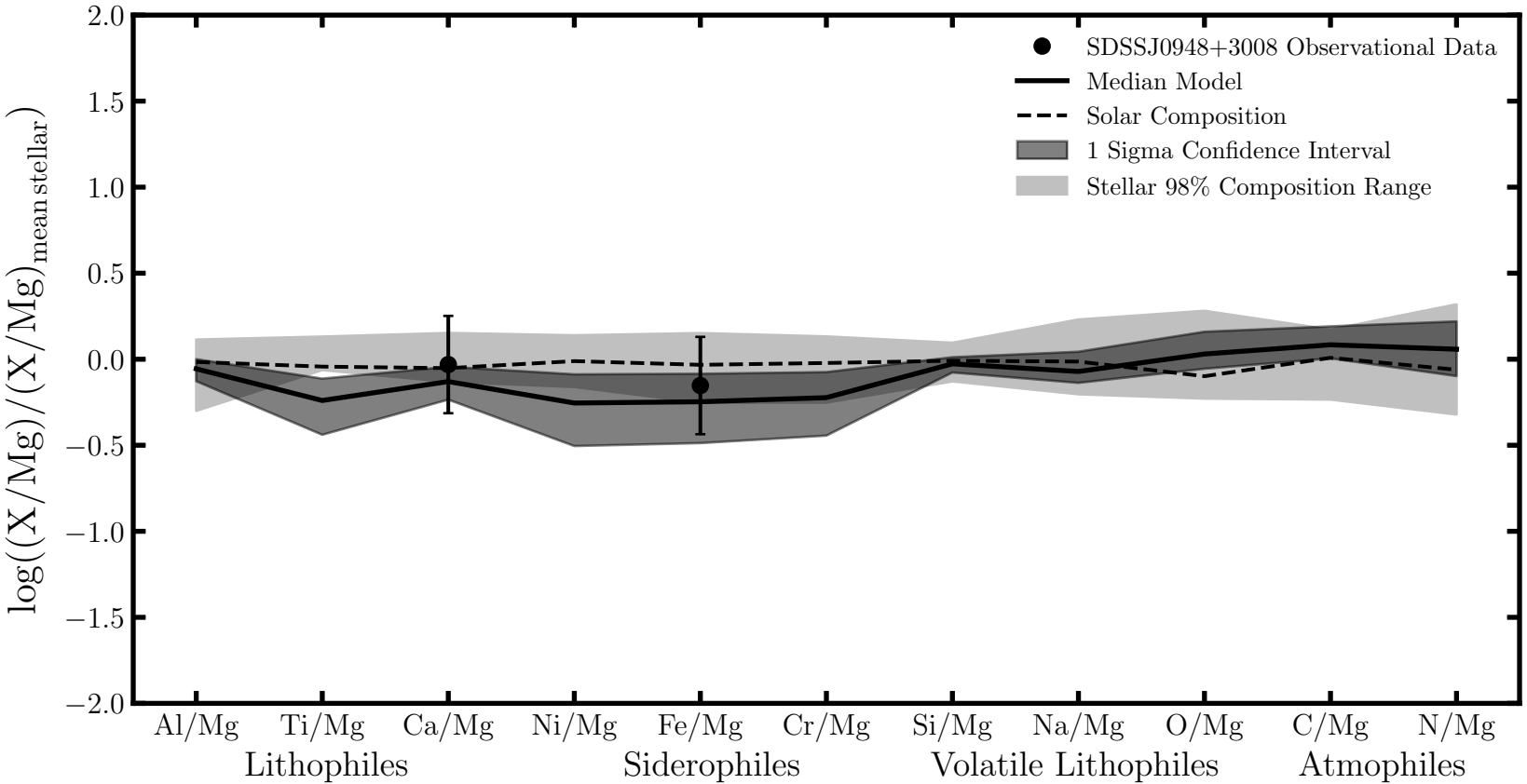

SDSSJ0933+6334 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

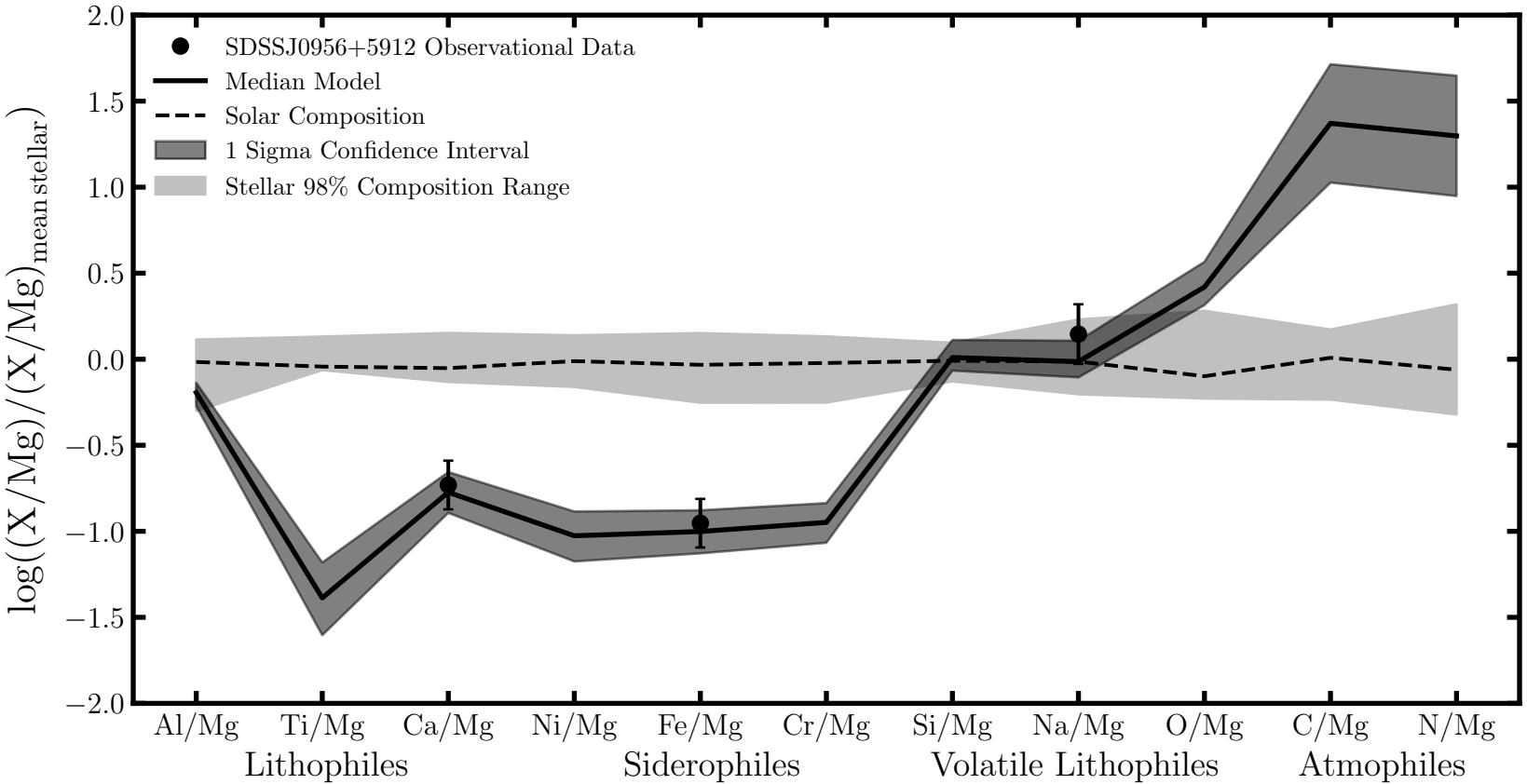

SDSSJ0937+5228 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

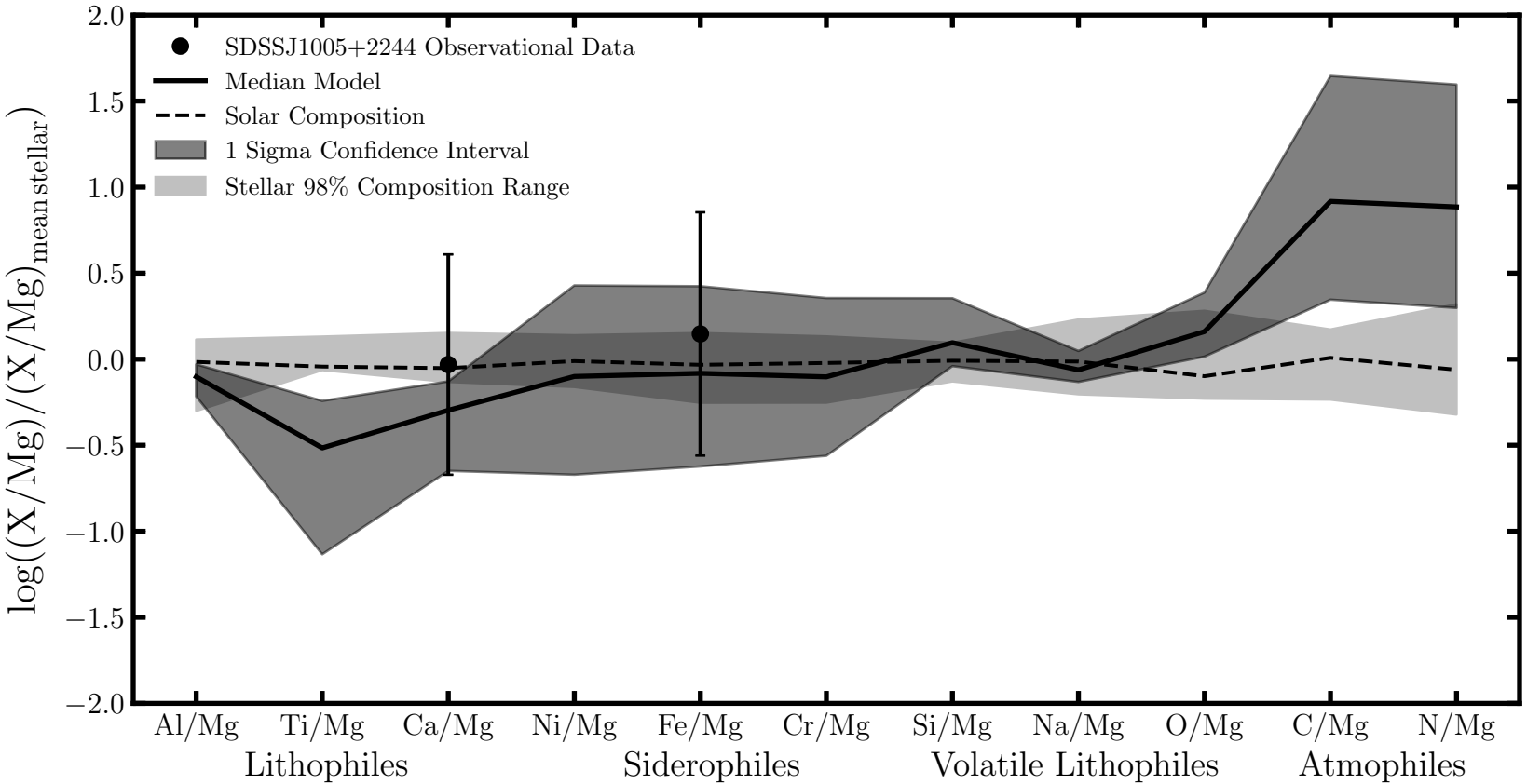

SDSSJ0939+4136 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

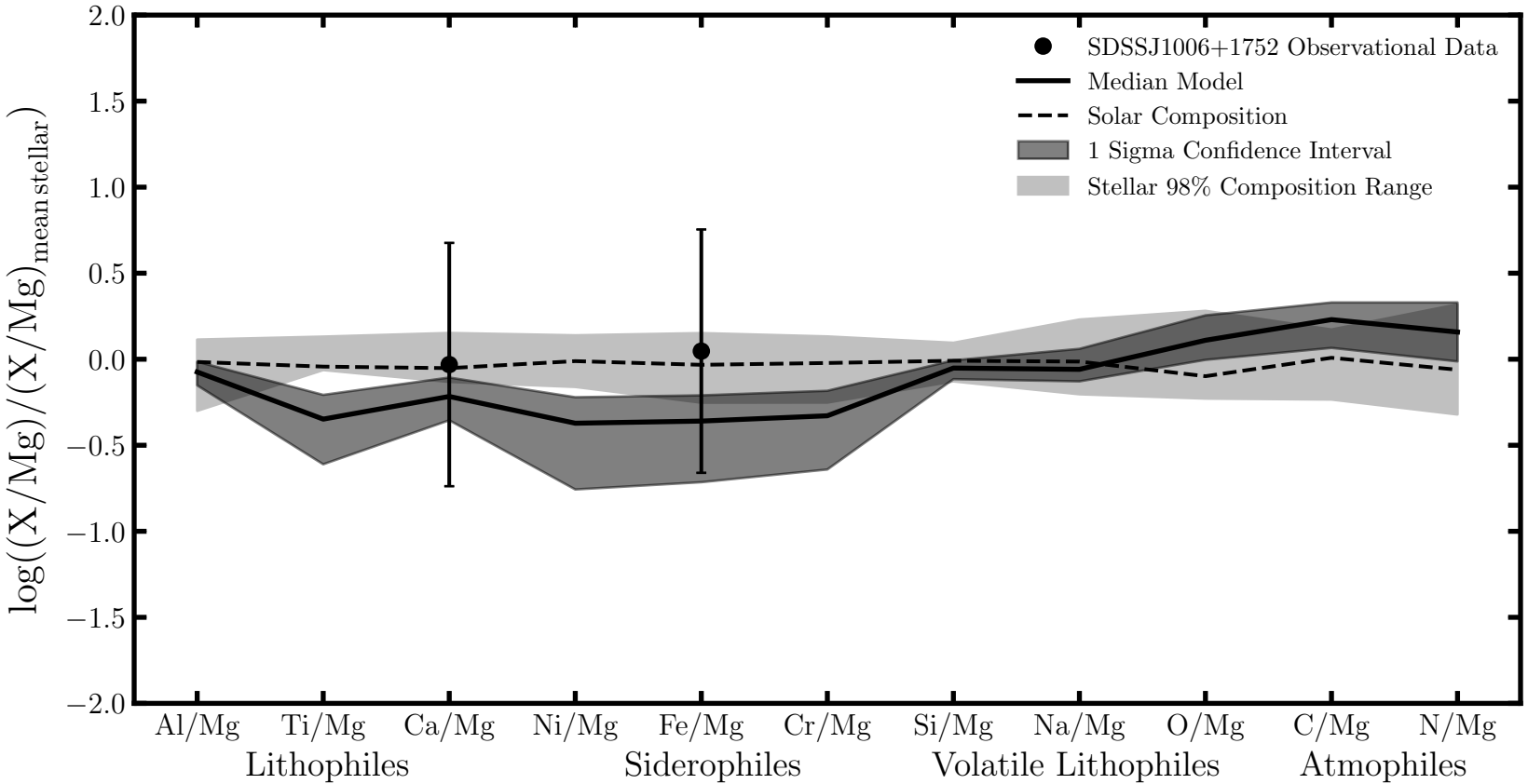

SDSSJ0939+5019 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

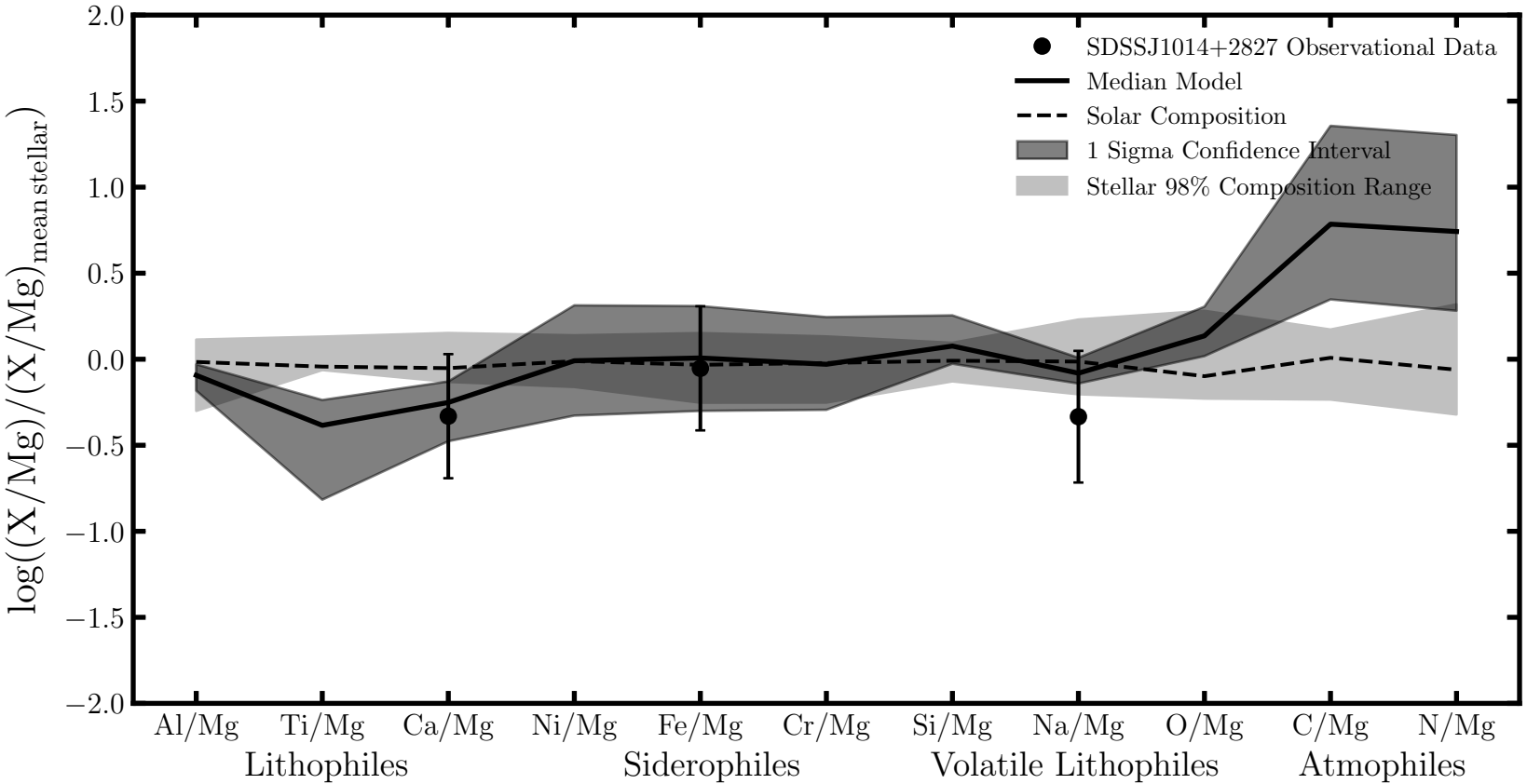

SDSSJ0946+2024 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

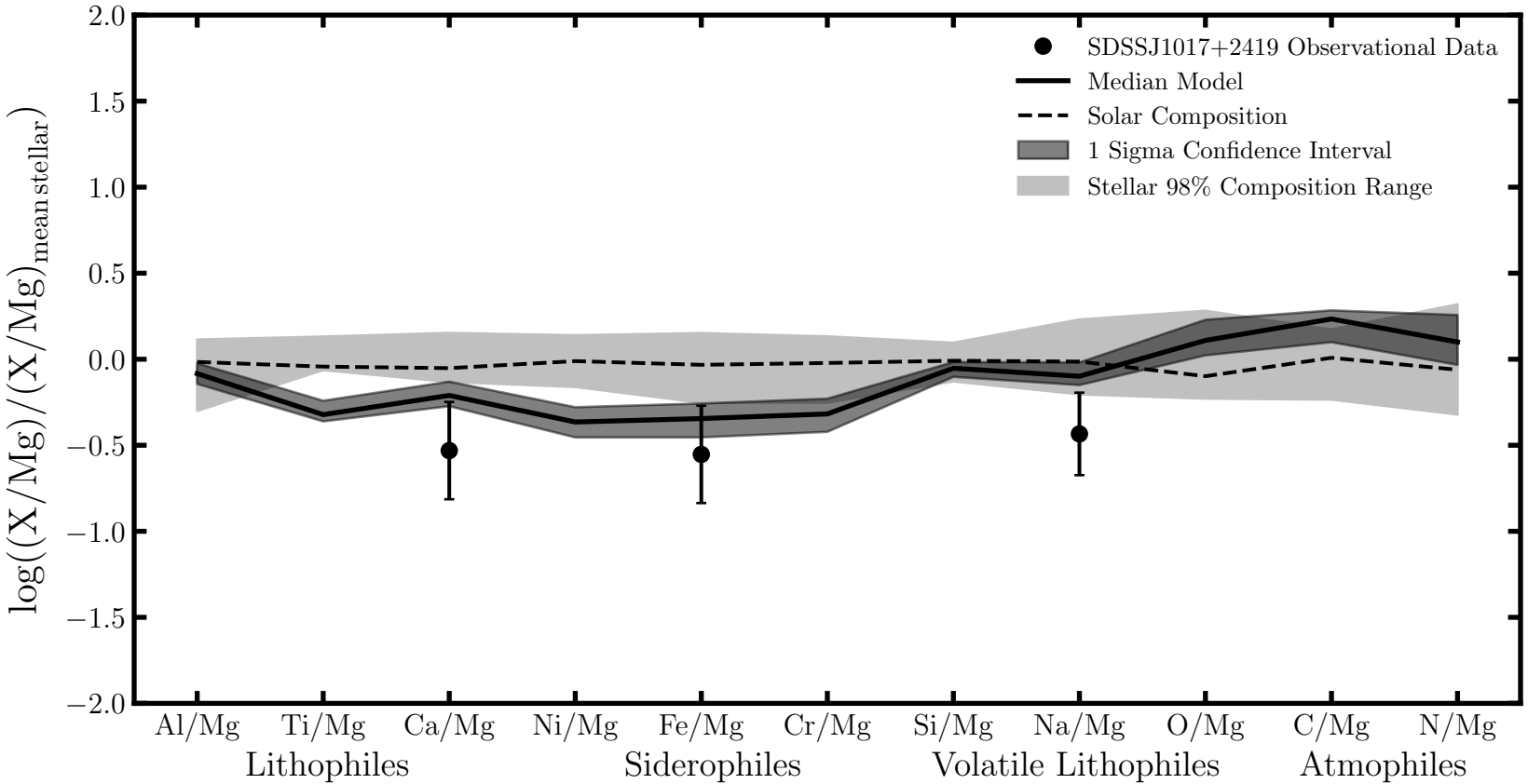

SDSSJ0948+3008 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

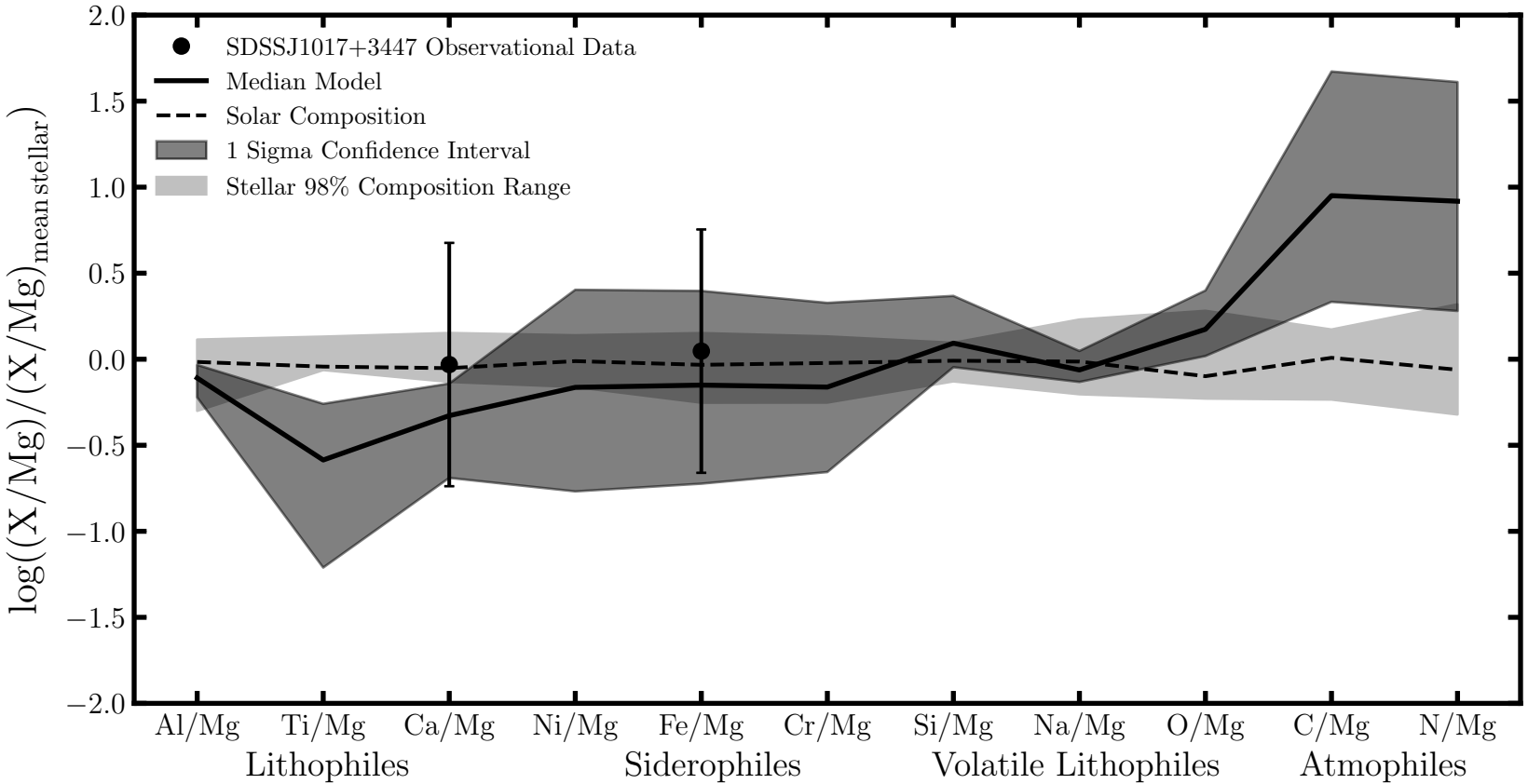

SDSSJ0956+5912 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

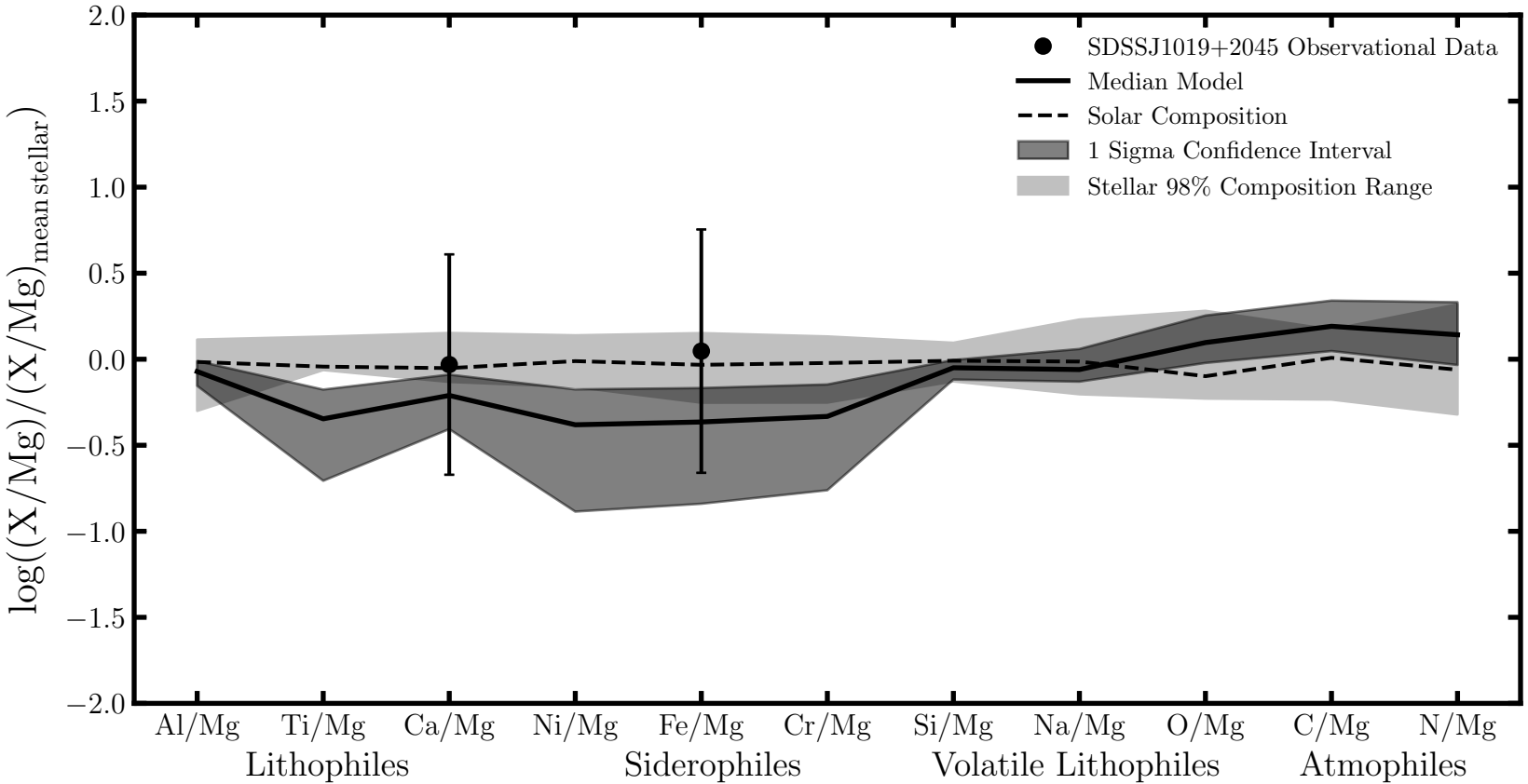

SDSSJ1005+2244 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

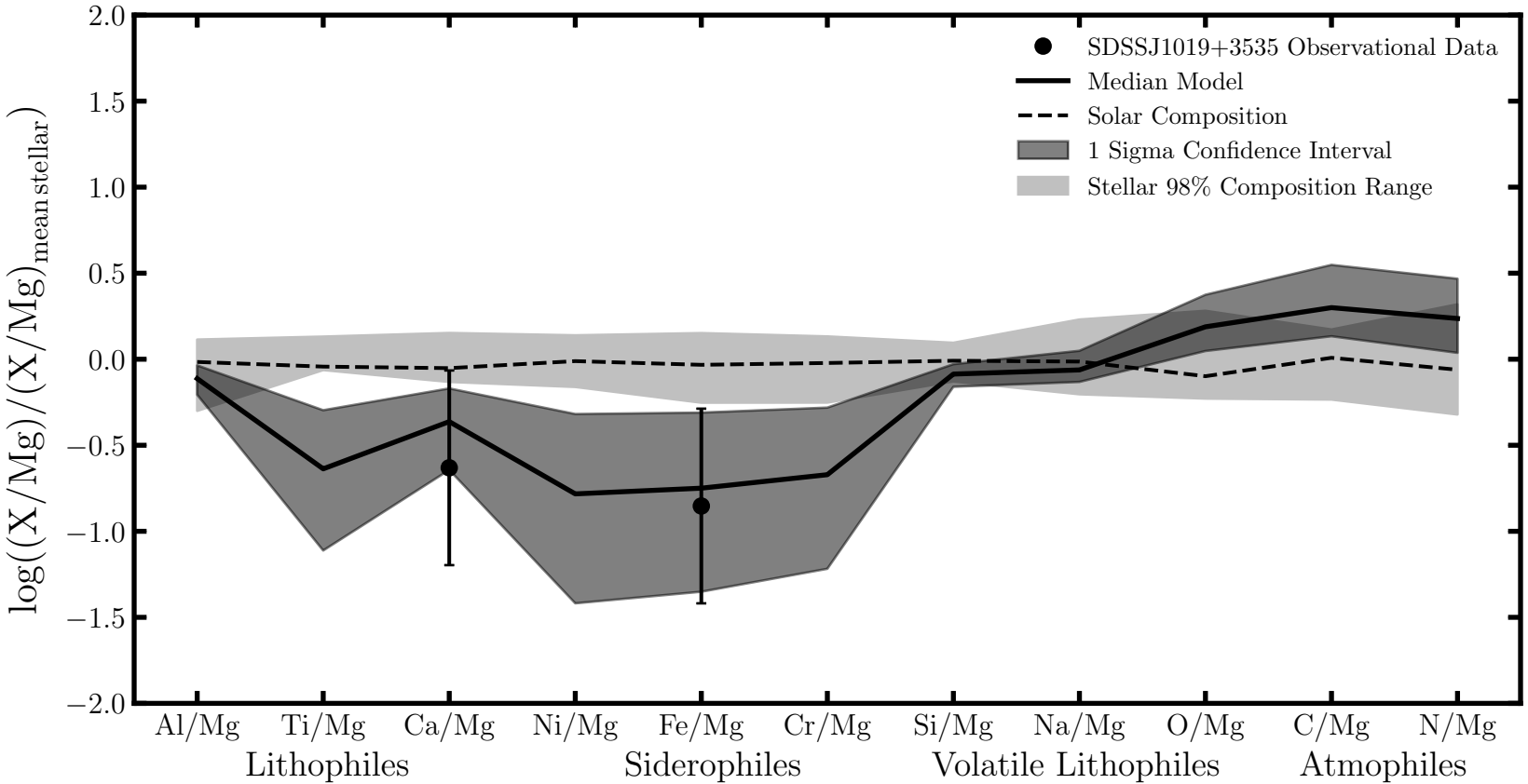

SDSSJ1006+1752 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

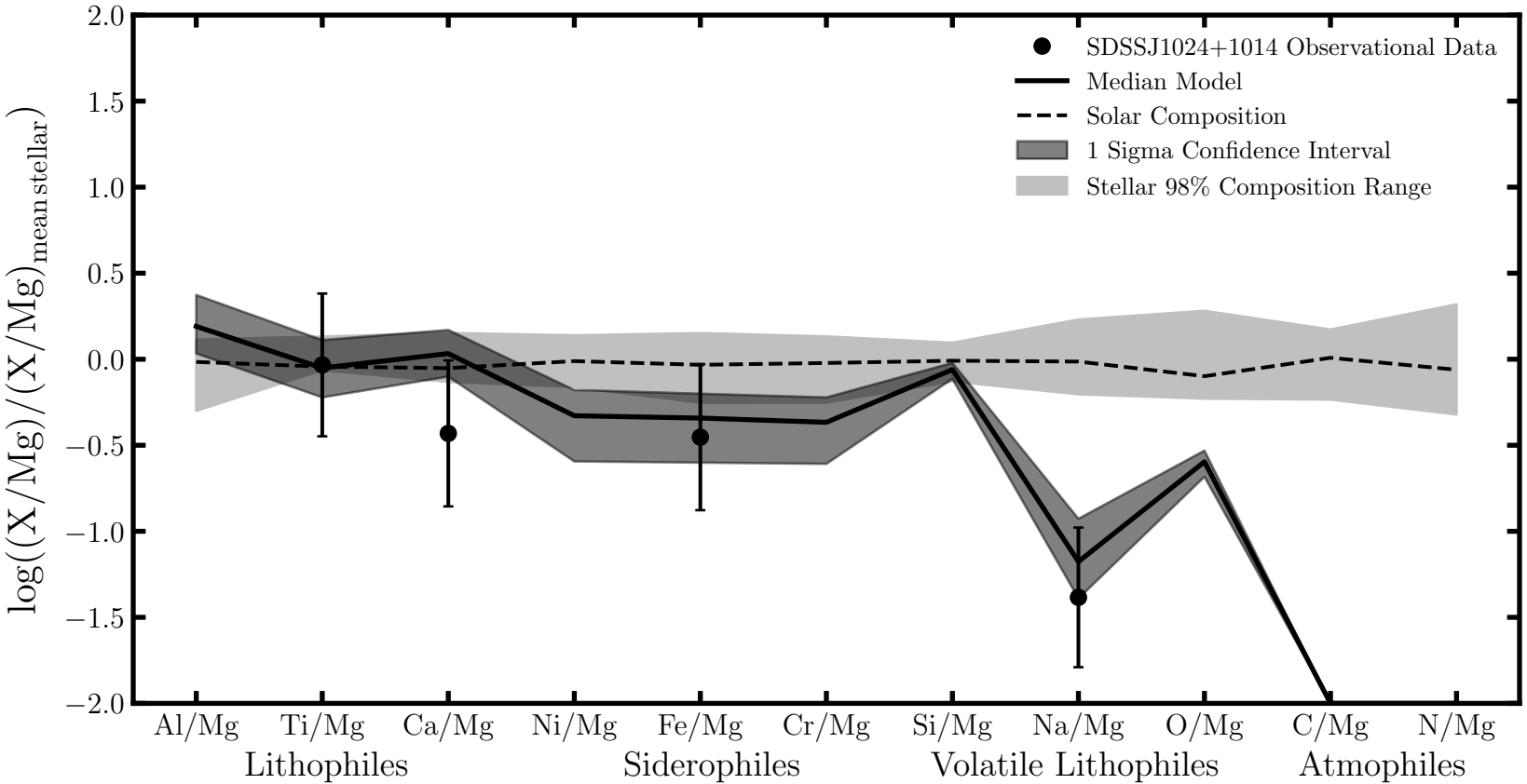

SDSSJ1014+2827 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

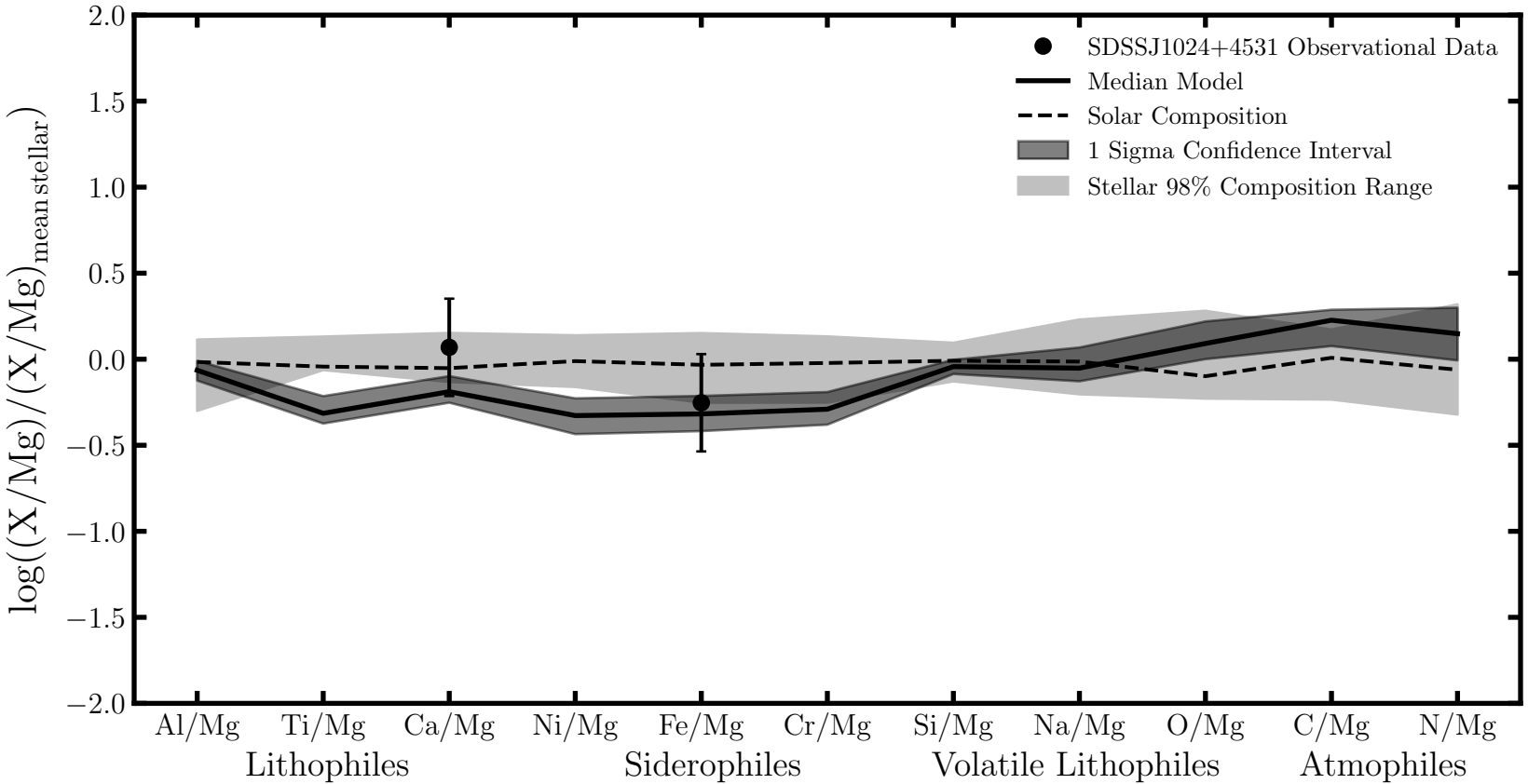

SDSSJ1017+2419 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

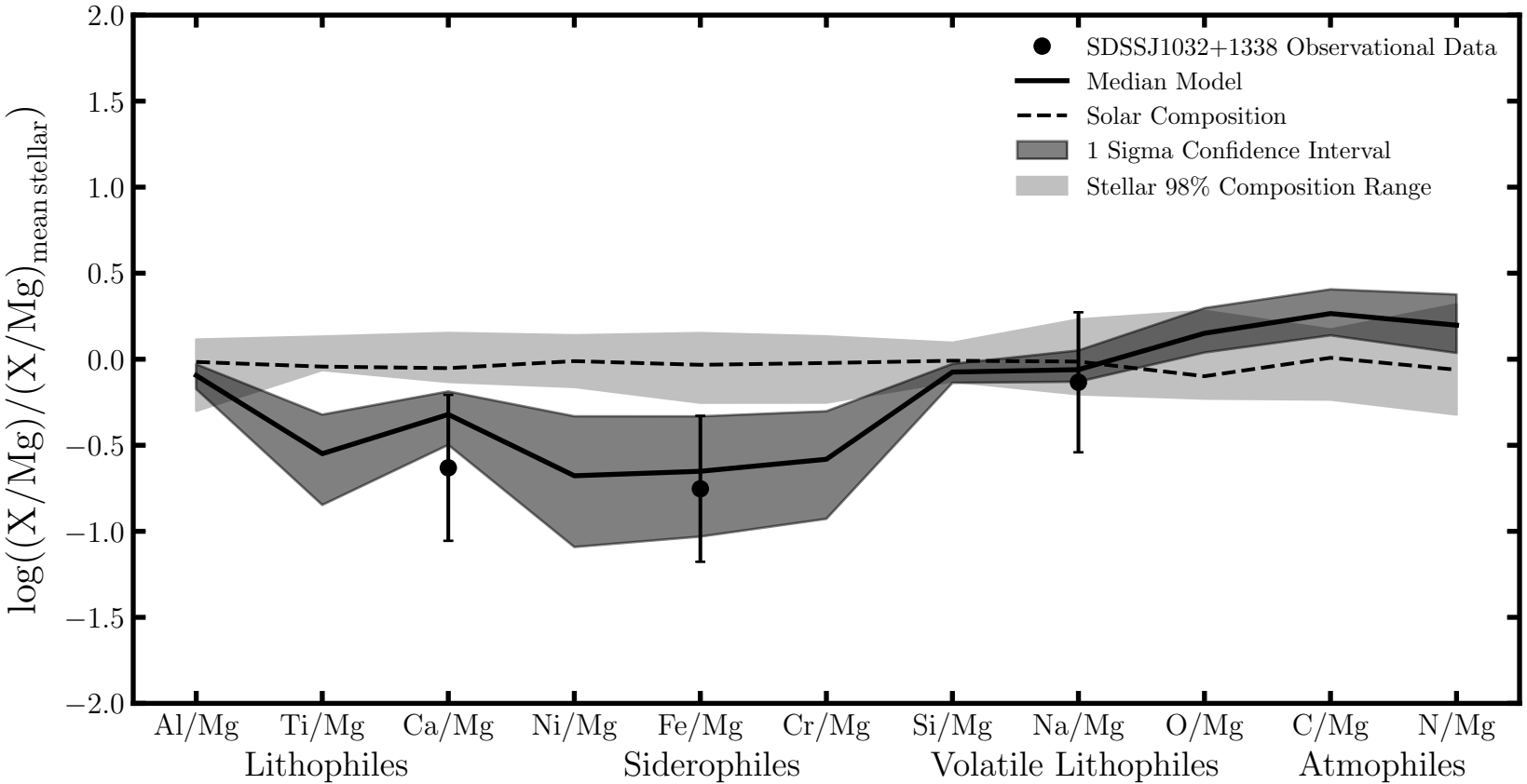

SDSSJ1017+3447 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

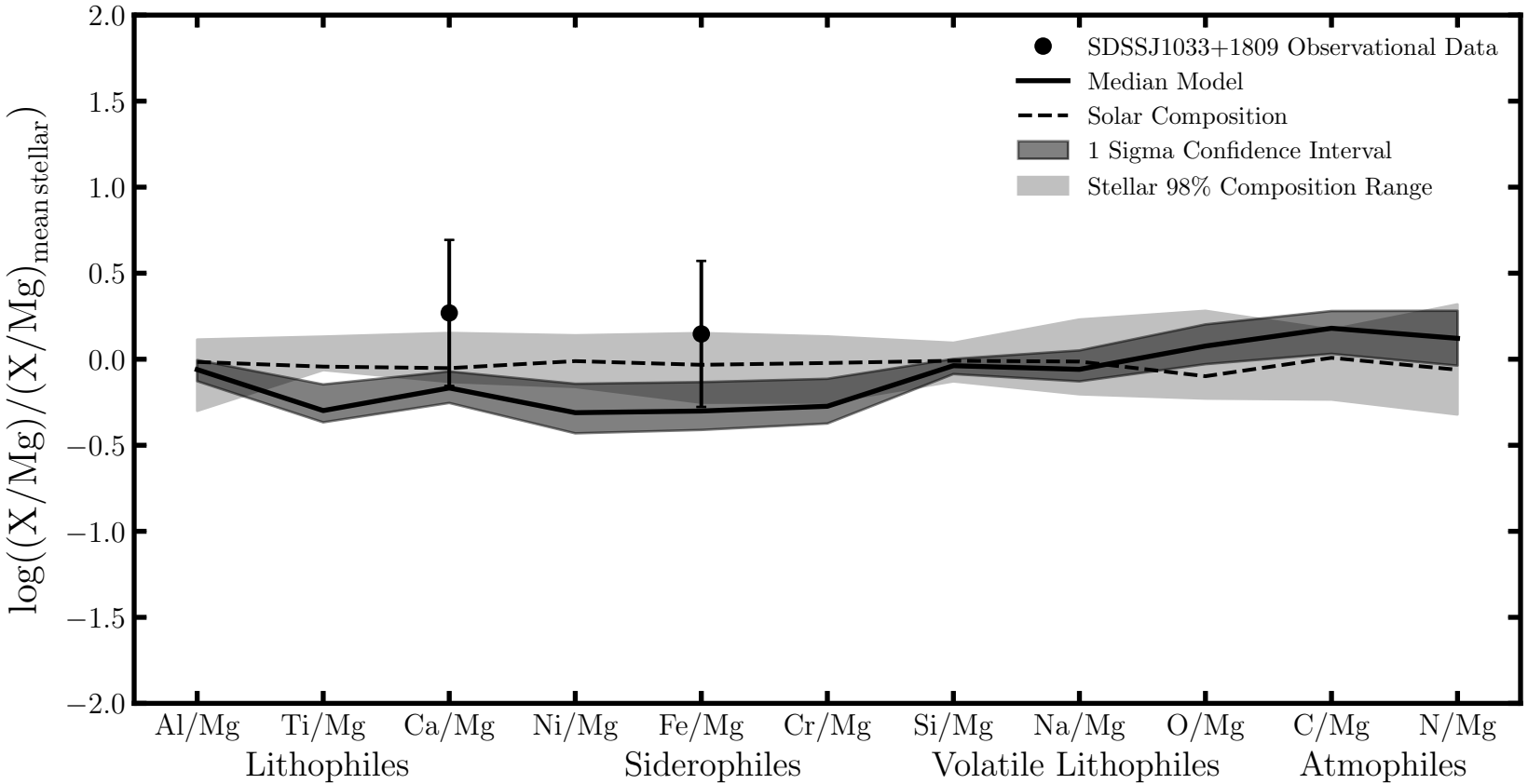

SDSSJ1019+2045 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

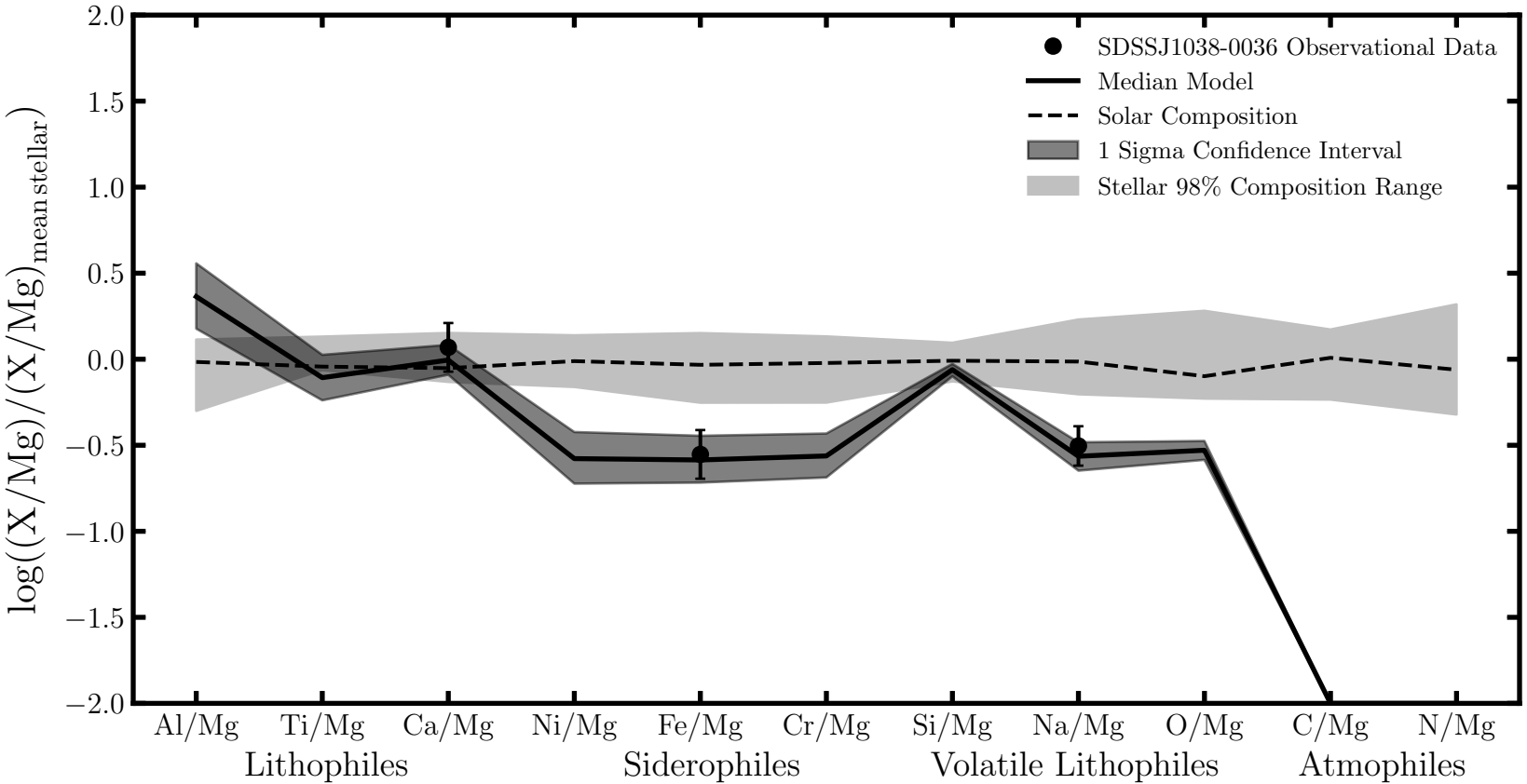

SDSSJ1019+3535 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

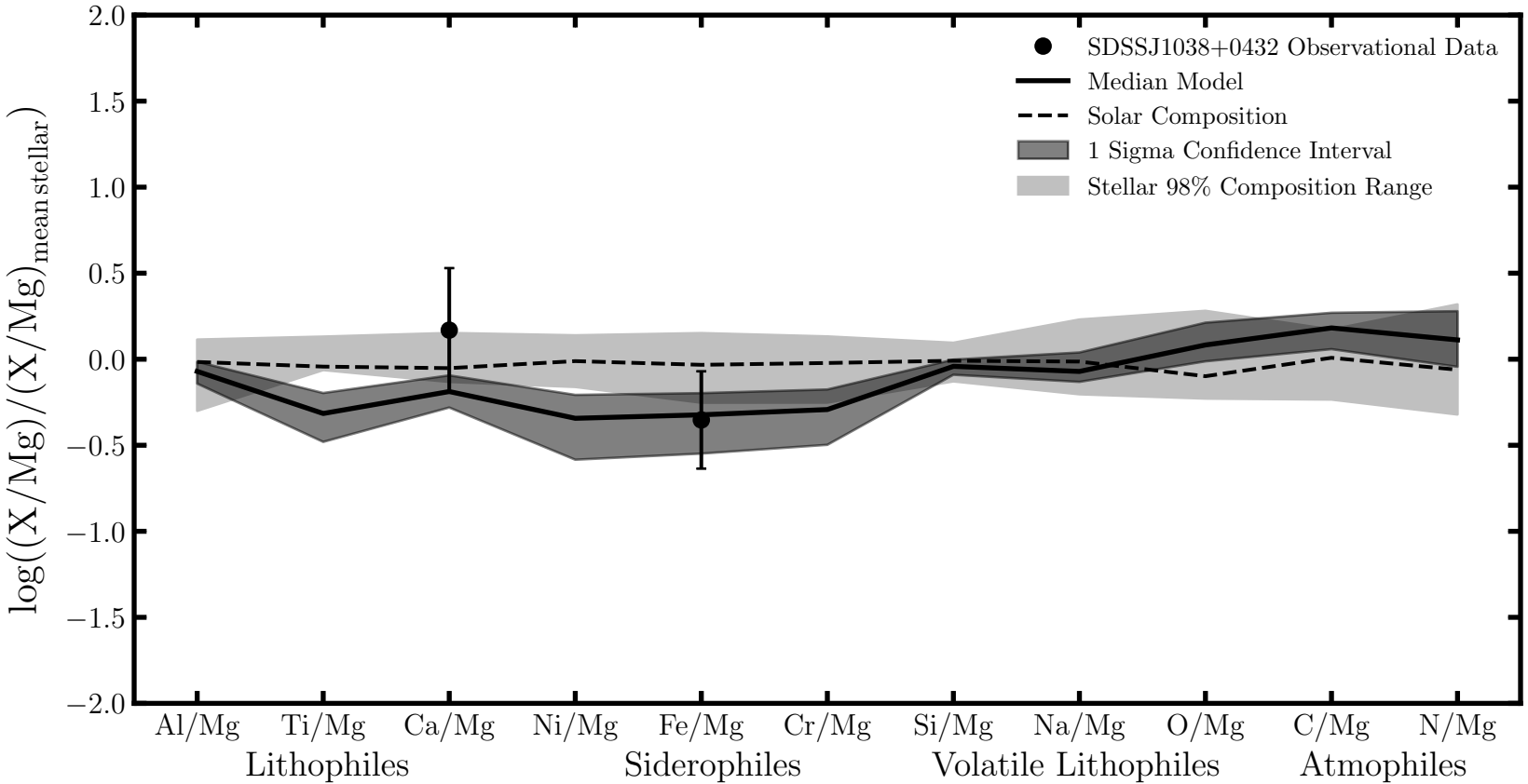

SDSSJ1024+1014 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

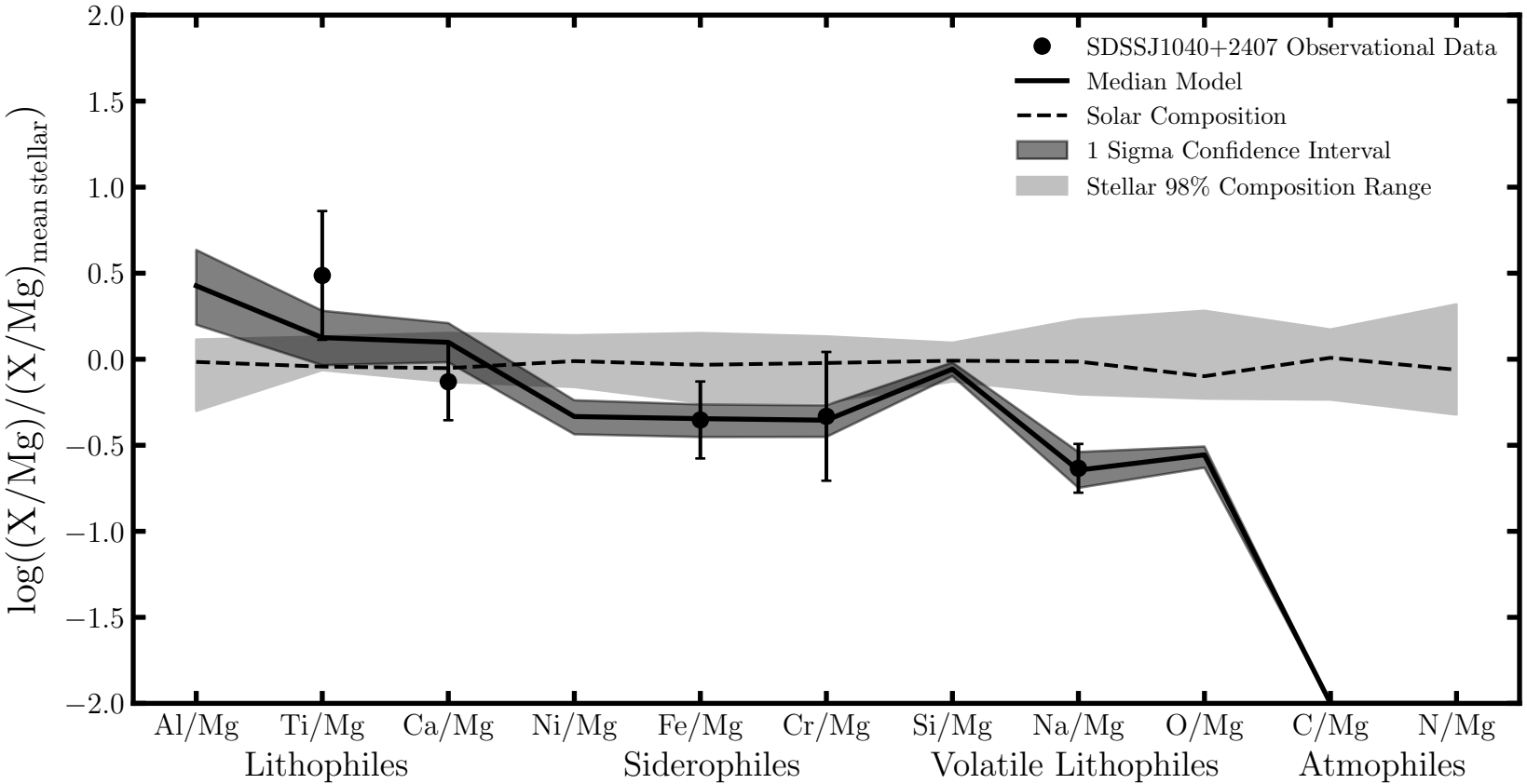

SDSSJ1024+4531 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

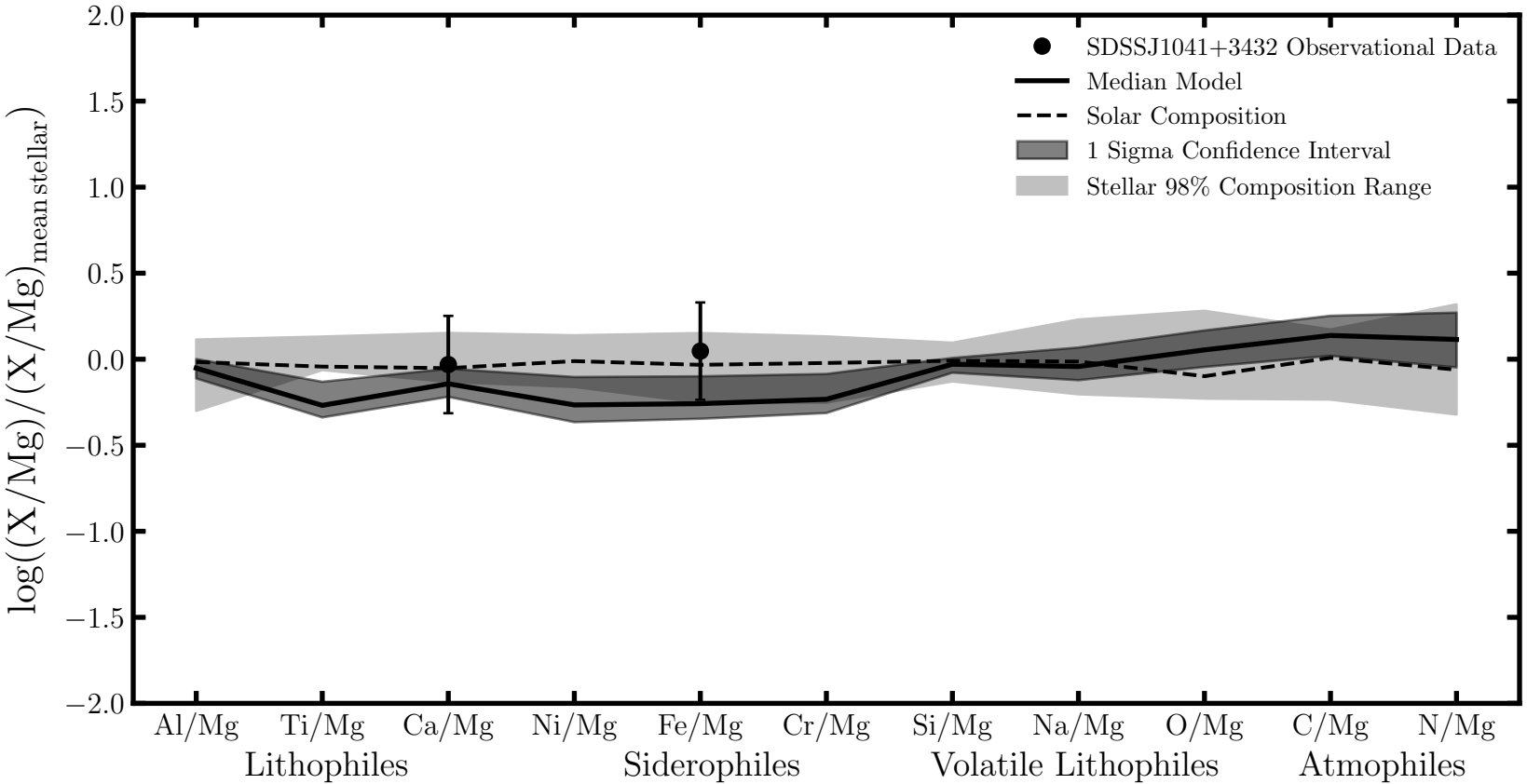

SDSSJ1032+1338 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

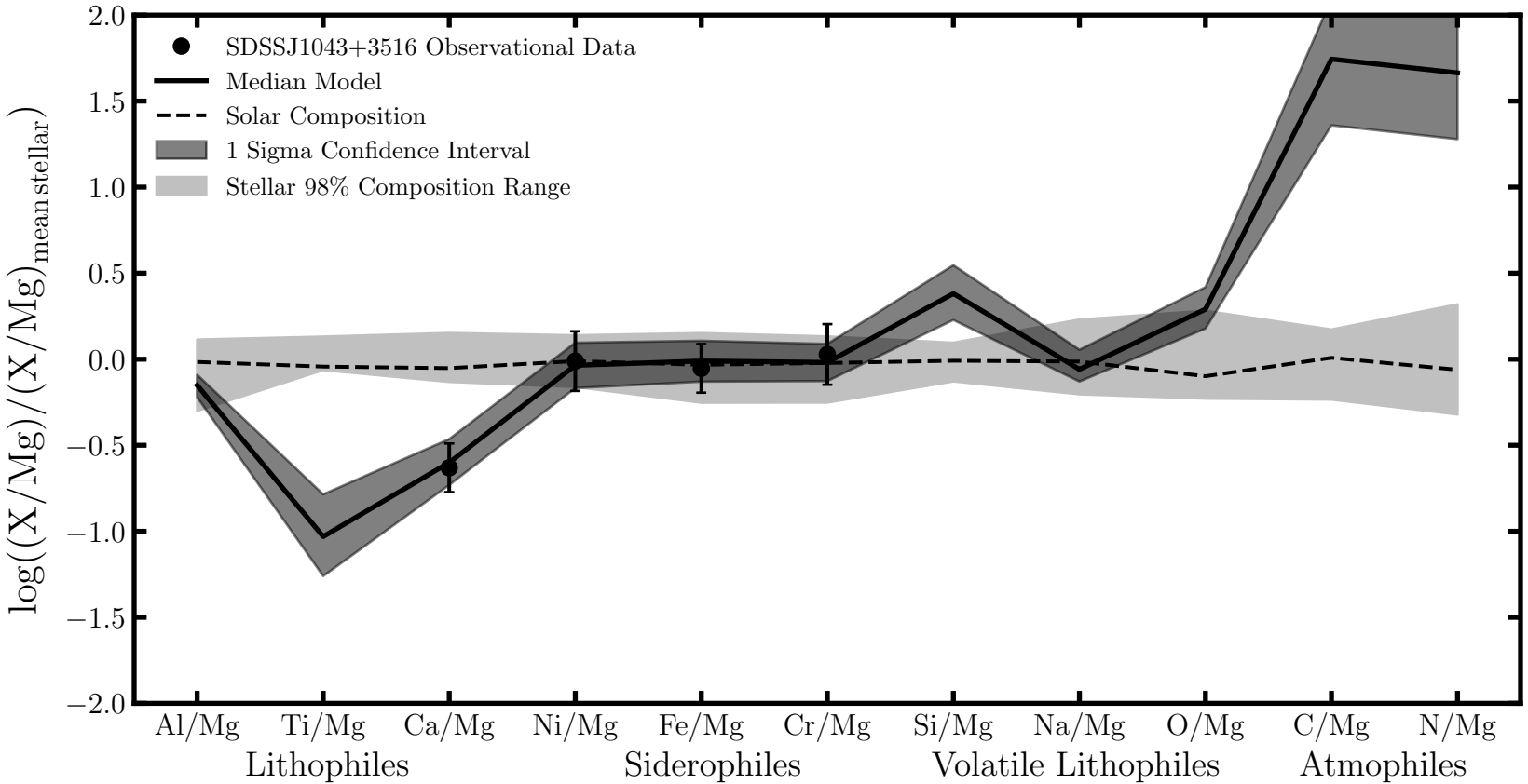

SDSSJ1033+1809 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

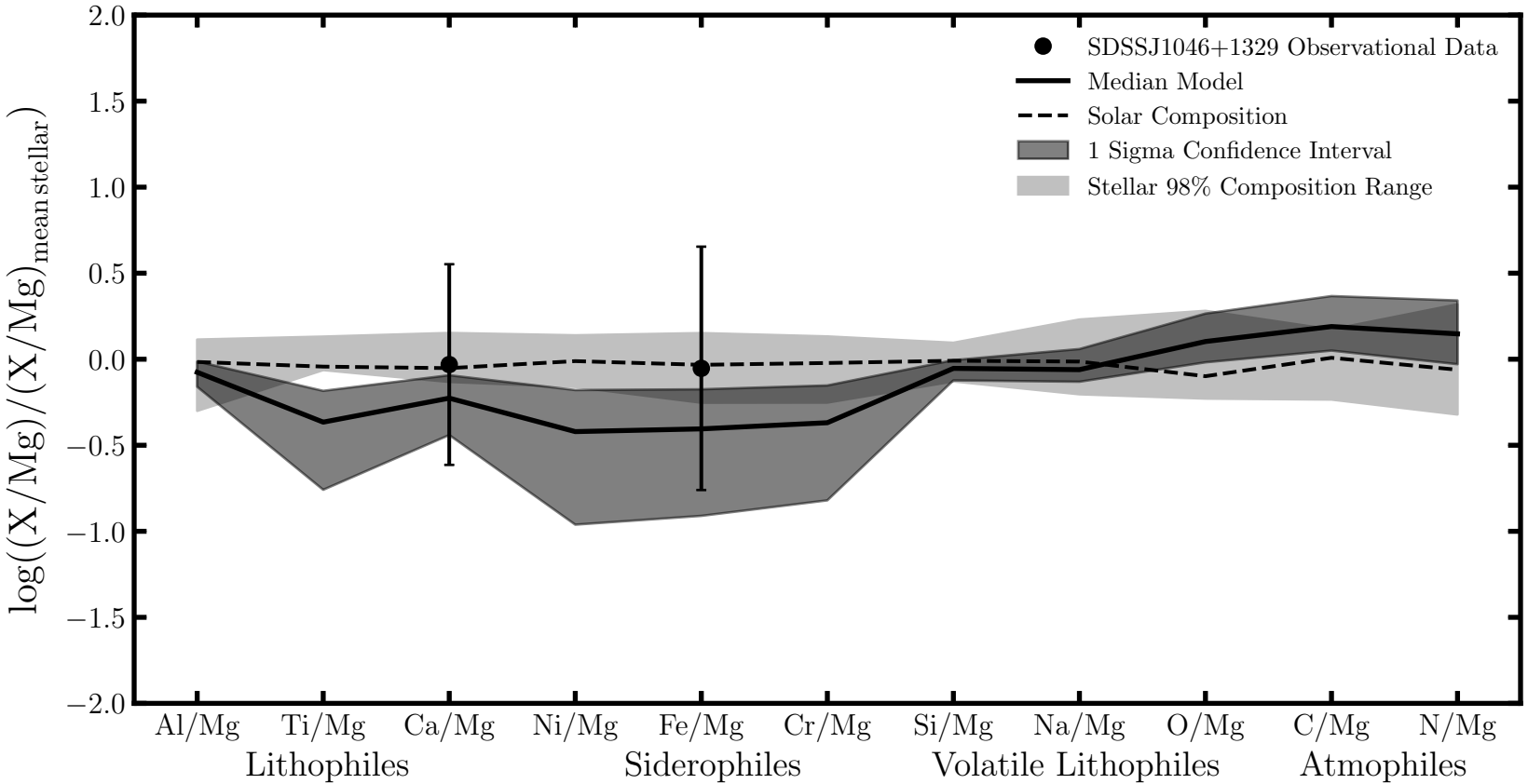

SDSSJ1038-0036 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

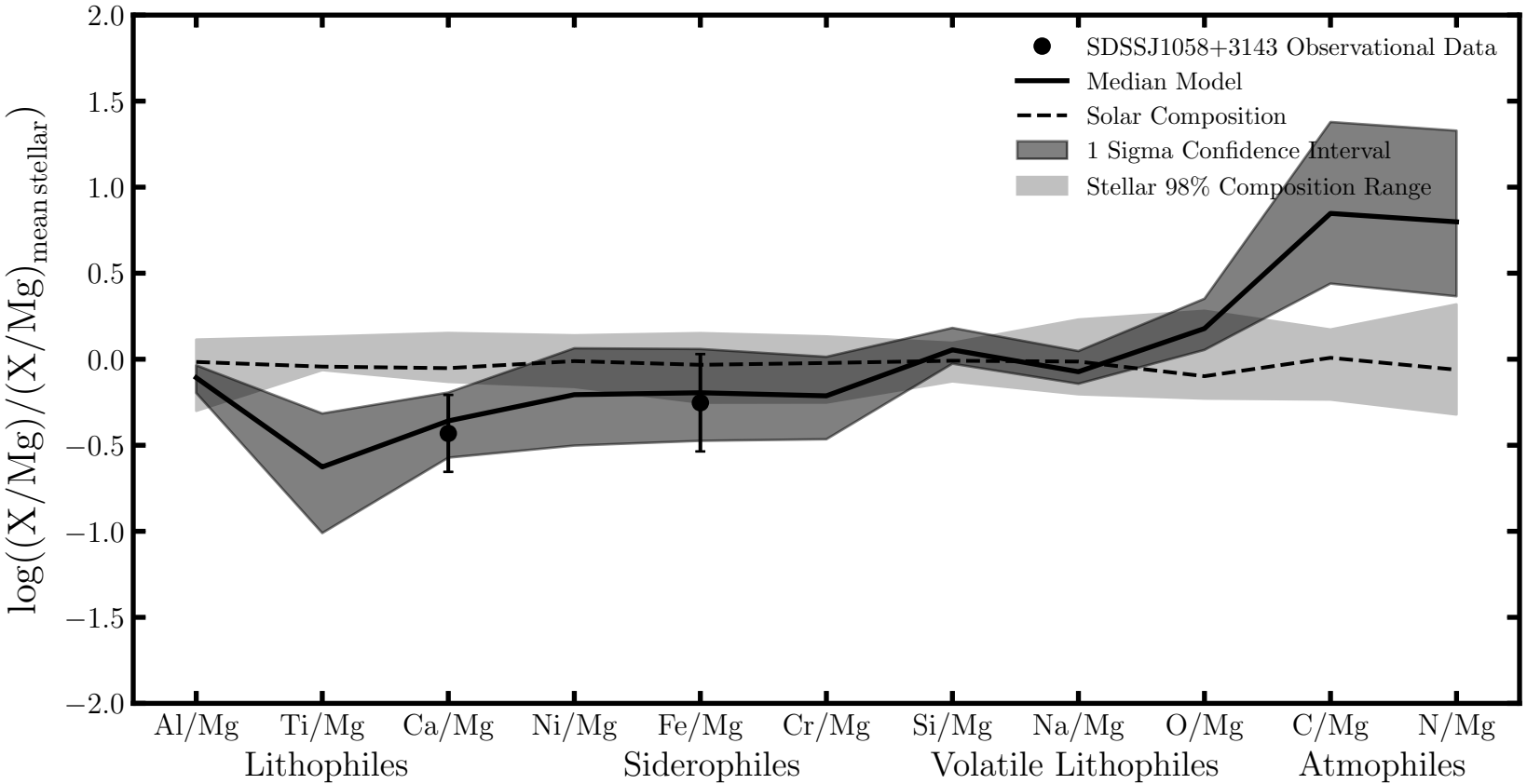

SDSSJ1038+0432 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

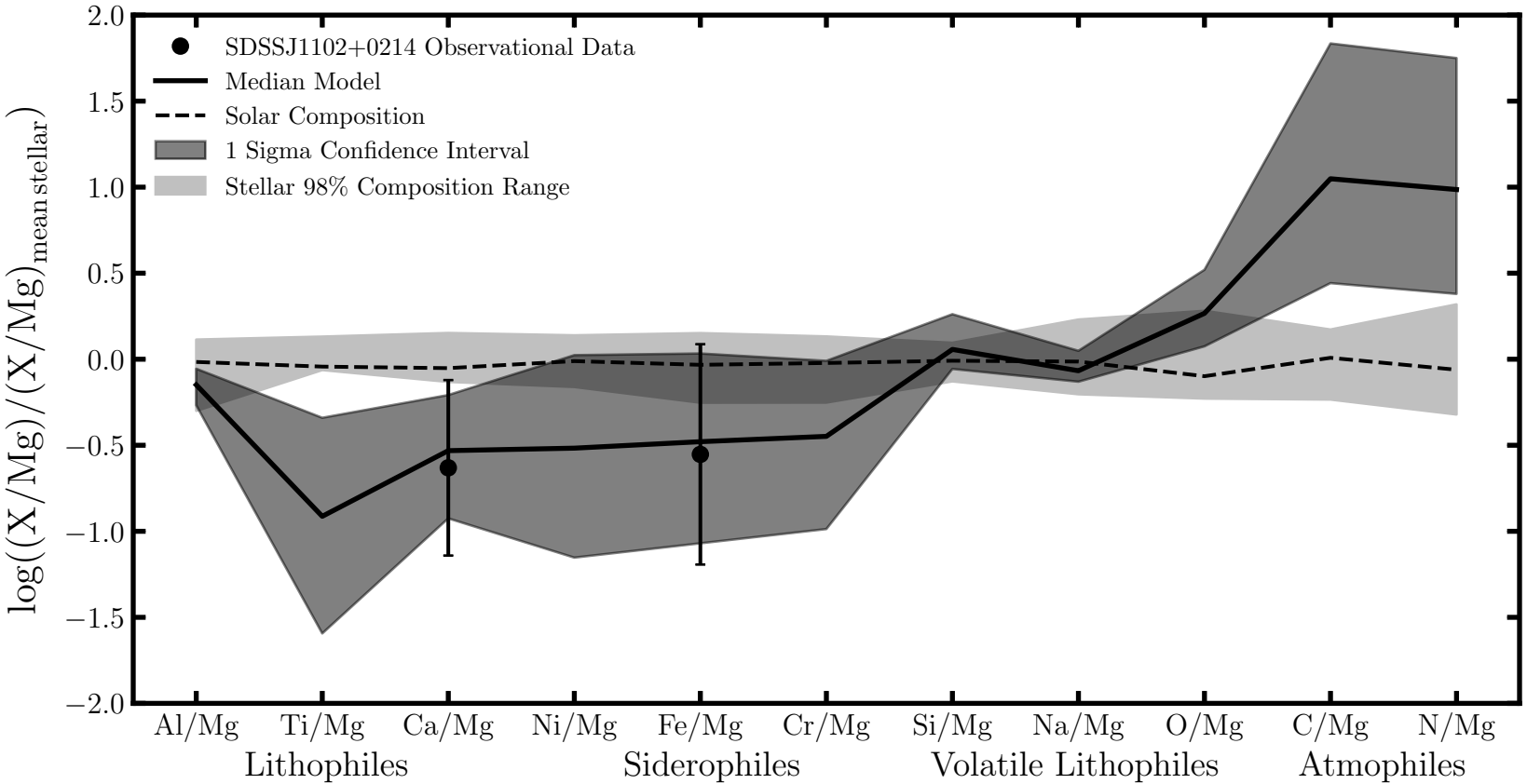

SDSSJ1040+2407 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

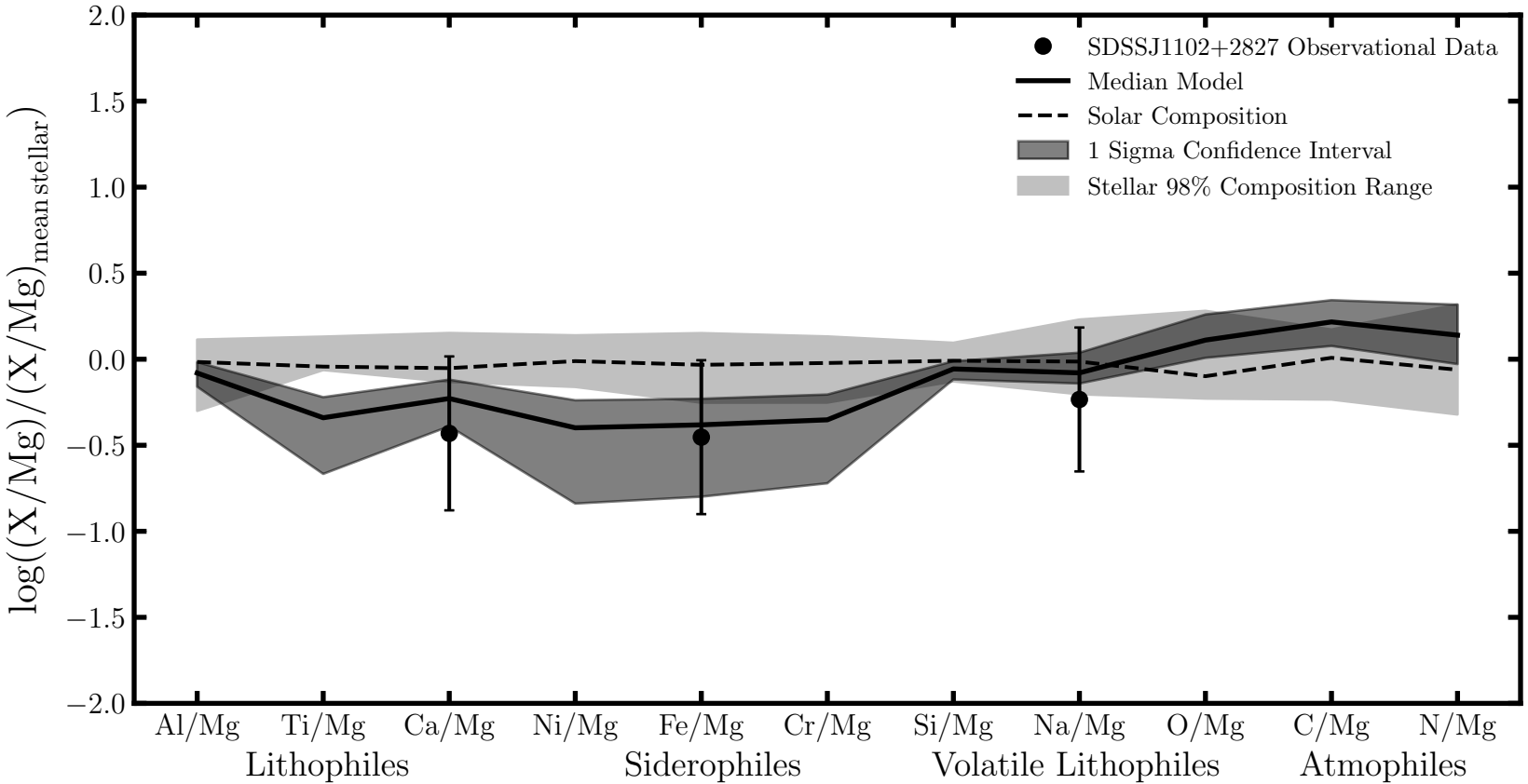

SDSSJ1041+3432 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

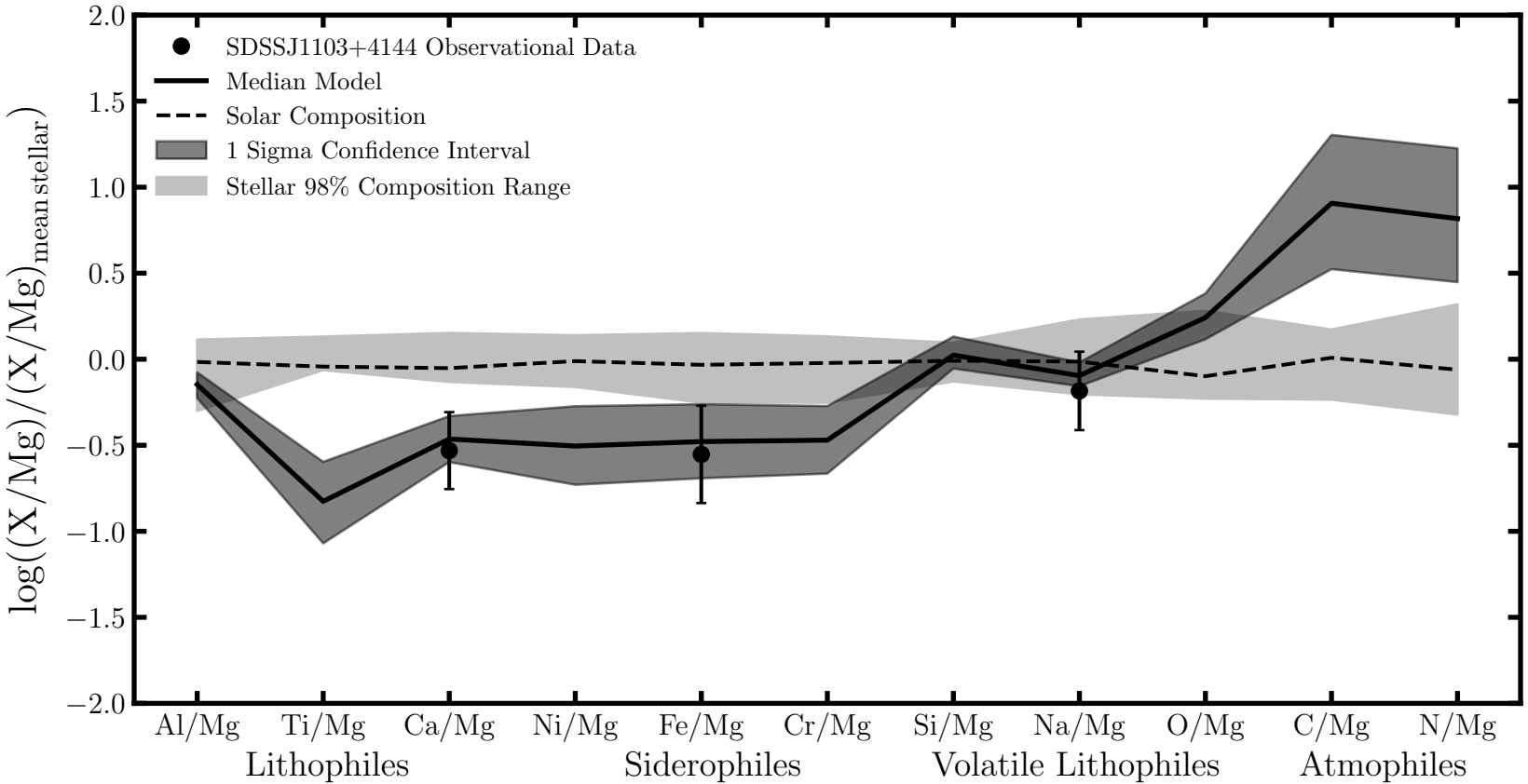

SDSSJ1043+3516 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

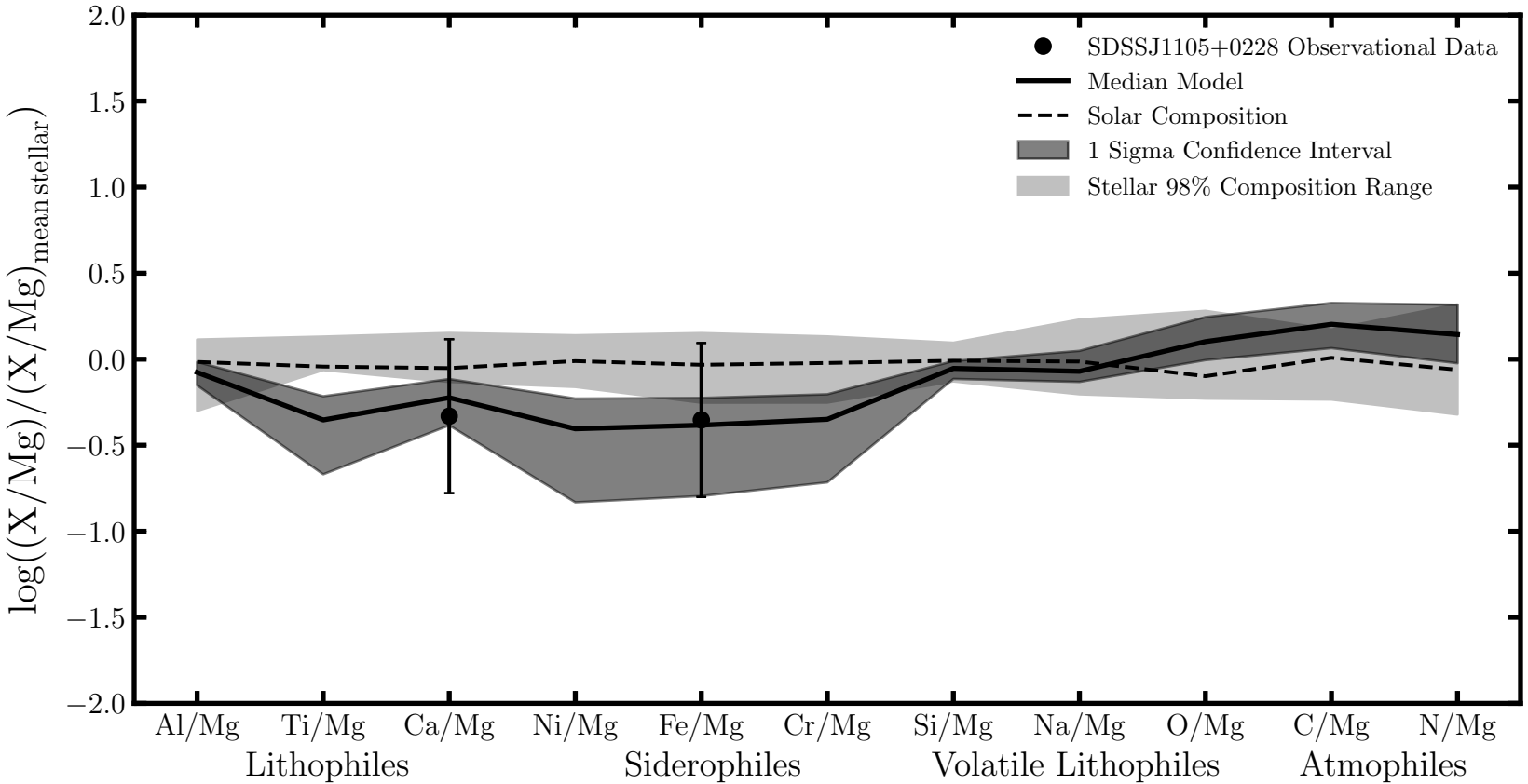

SDSSJ1046+1329 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

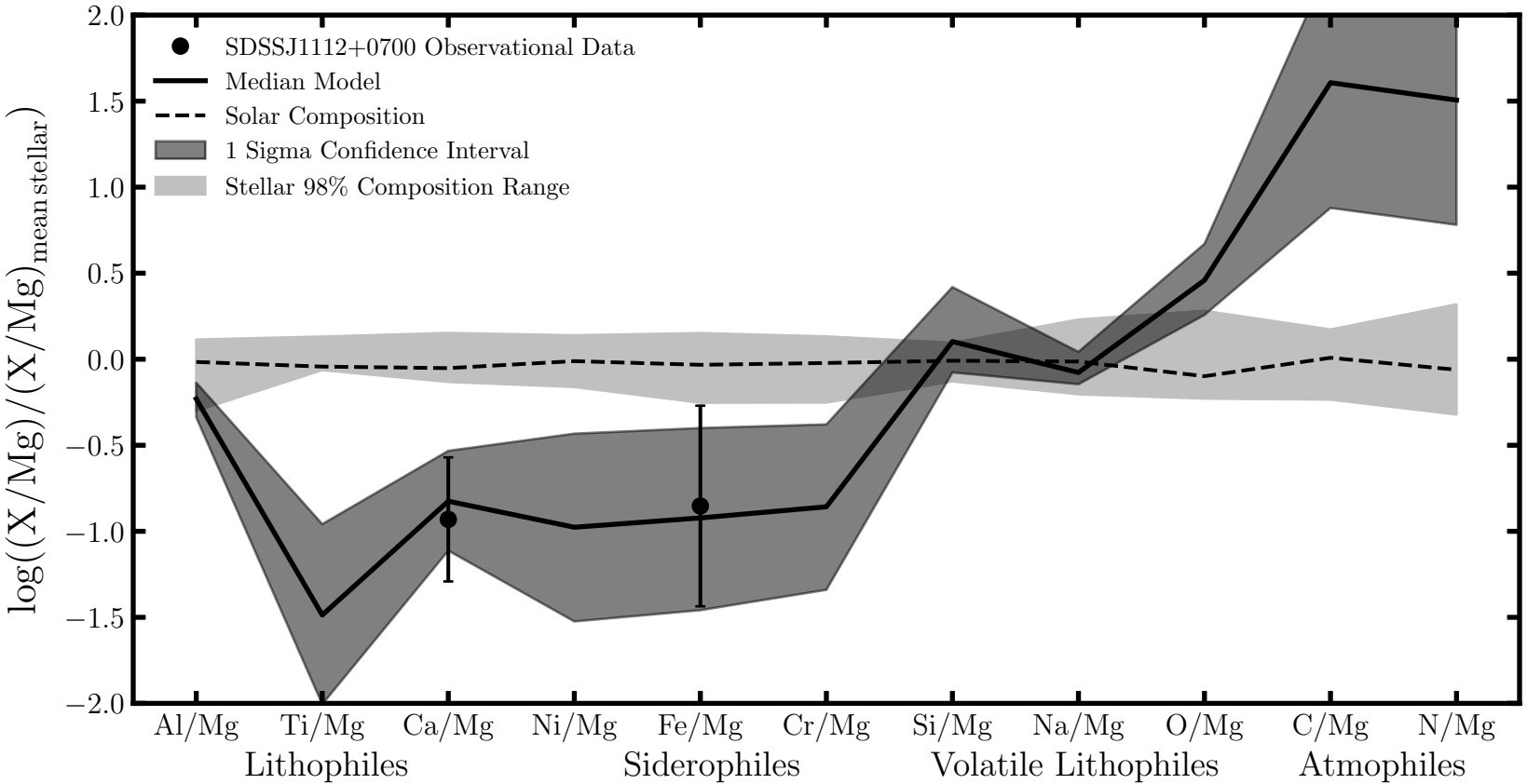

SDSSJ1058+3143 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

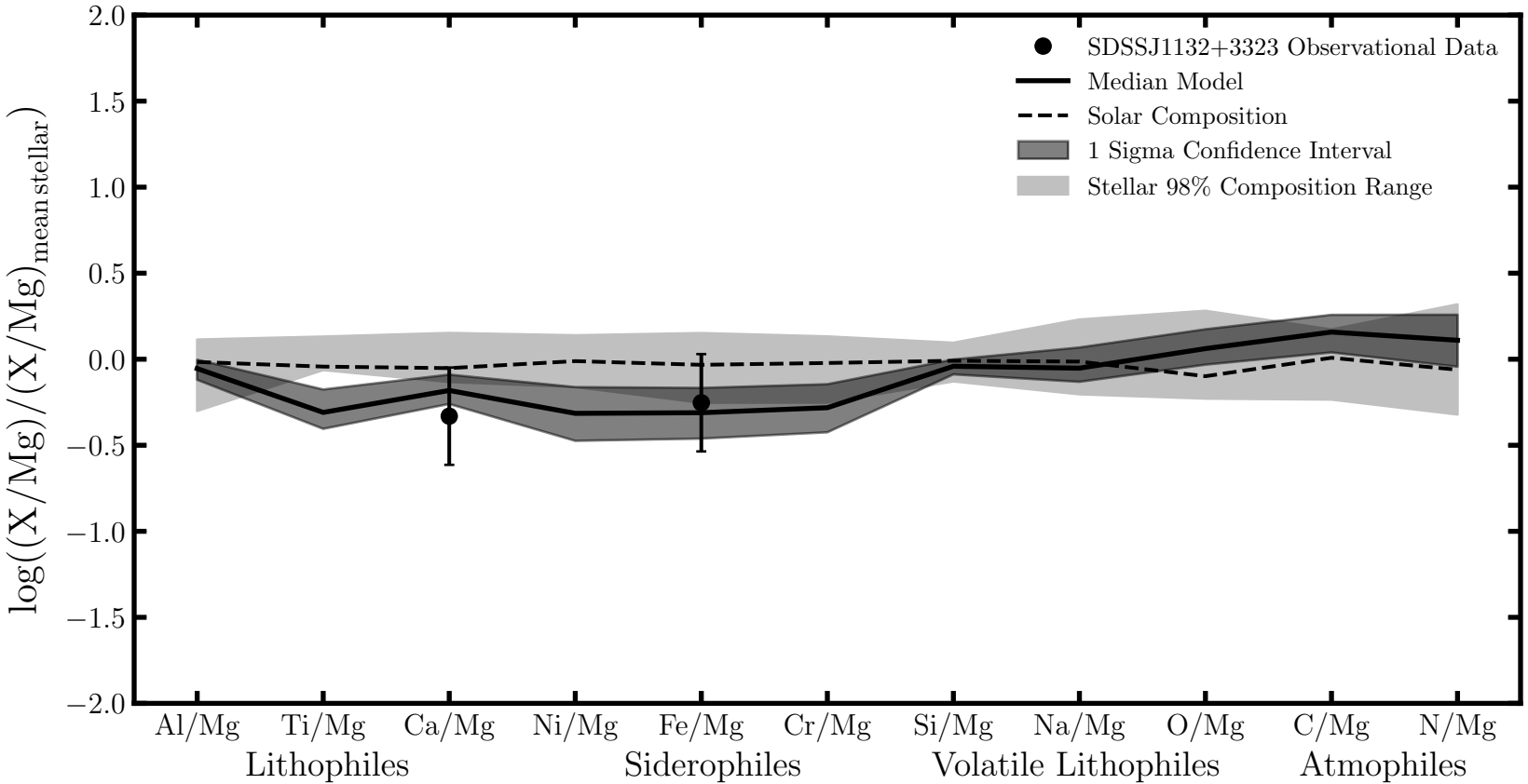

SDSSJ1102+0214 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

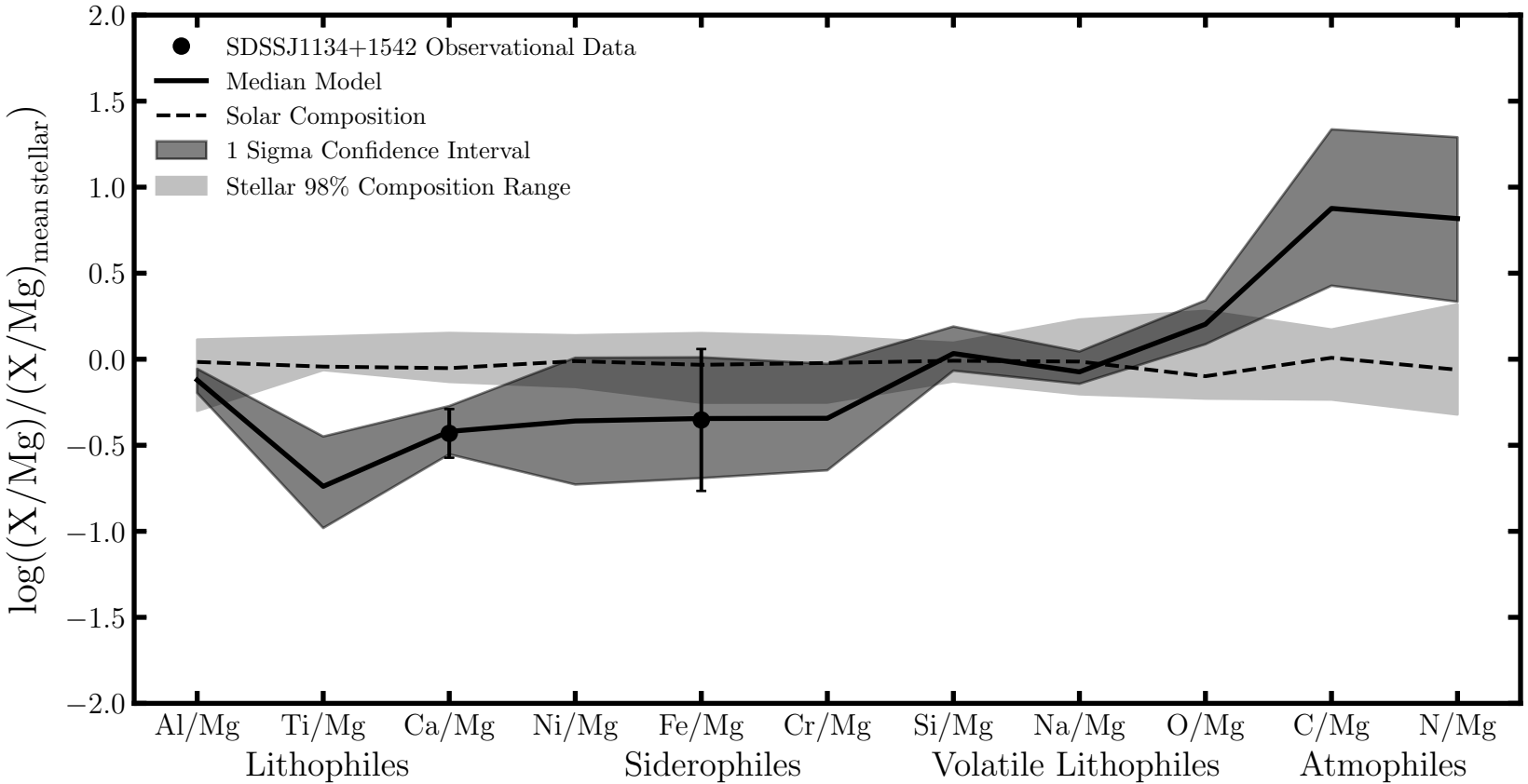

SDSSJ1102+2827 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

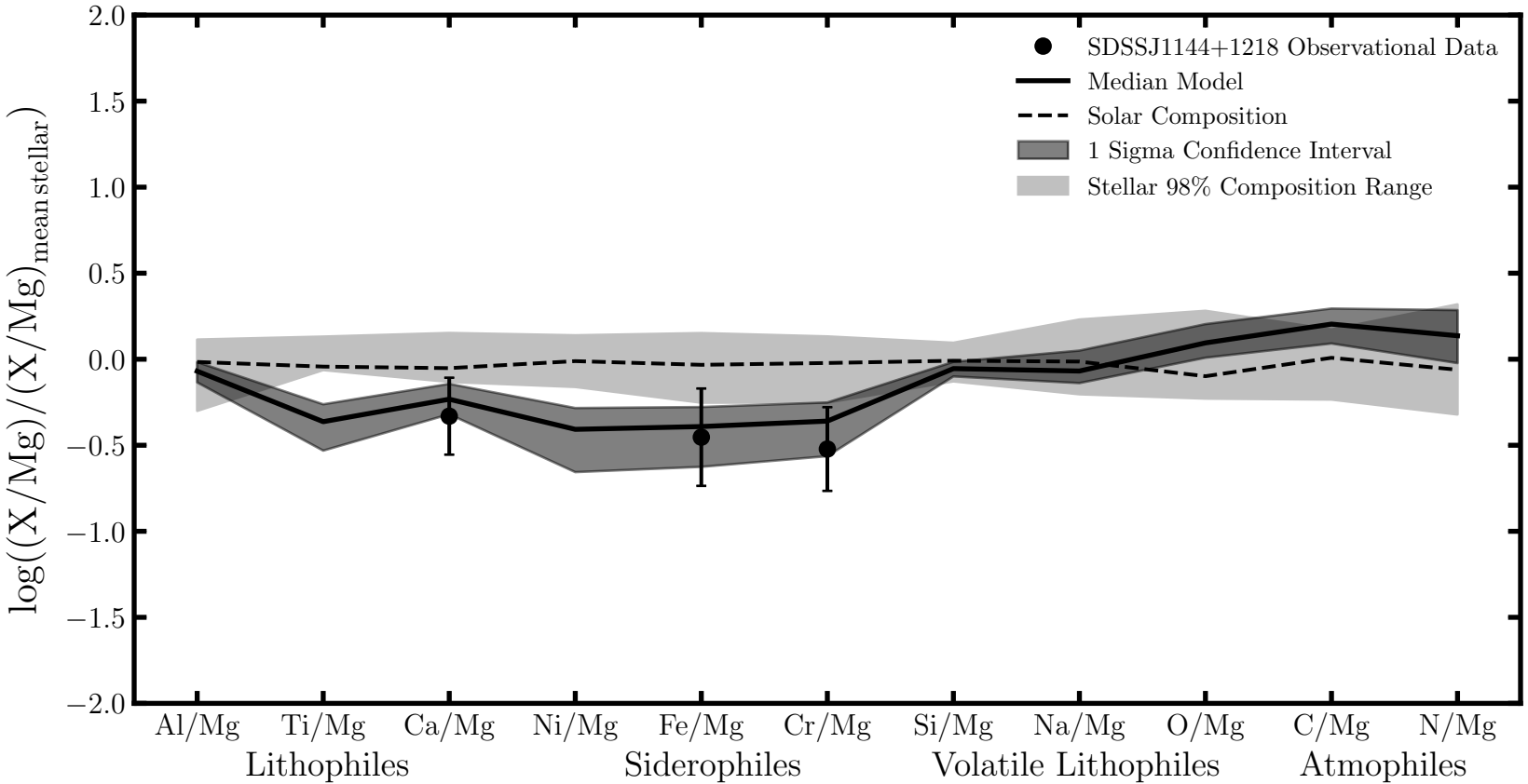

SDSSJ1103+4144 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

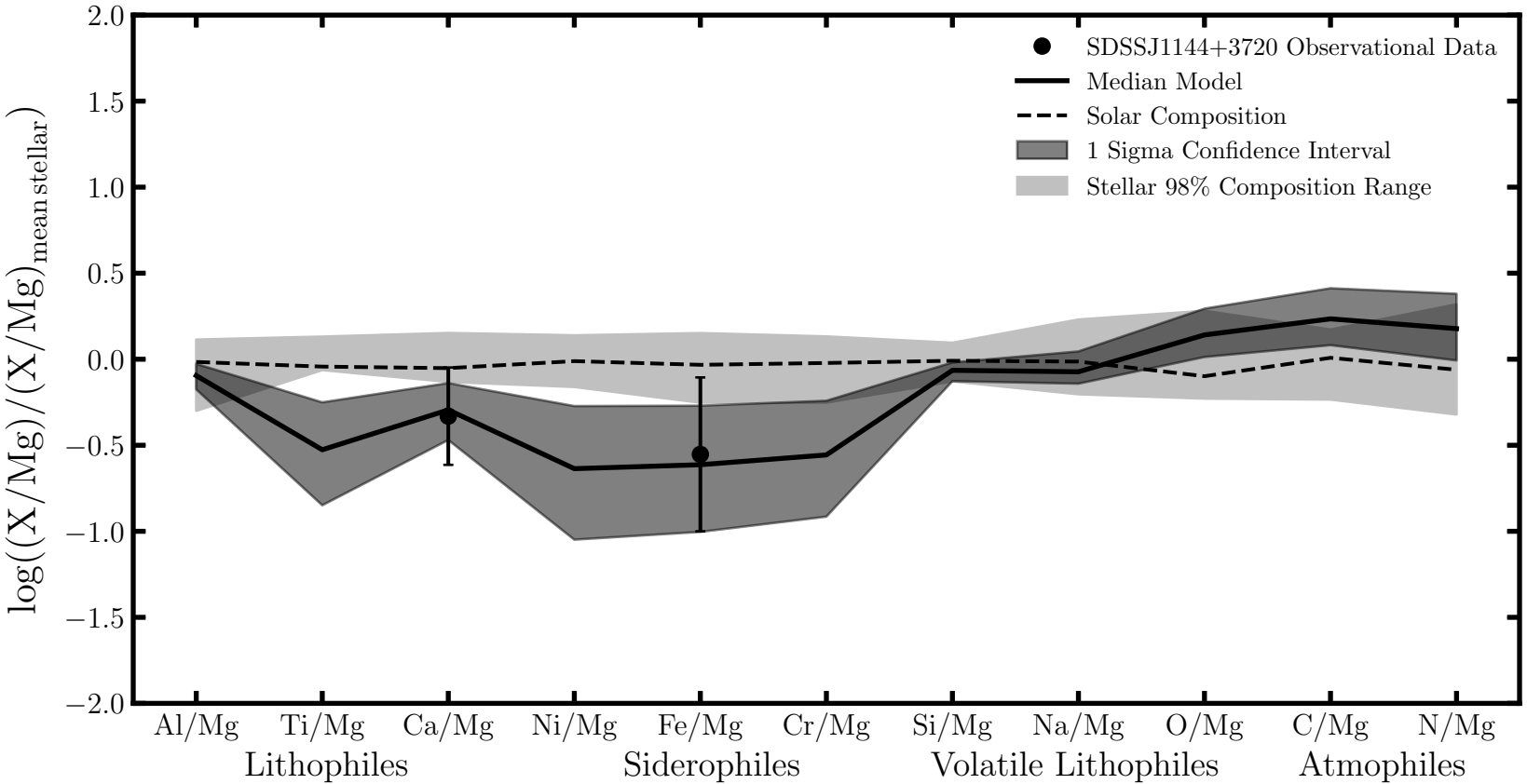

SDSSJ1105+0228 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

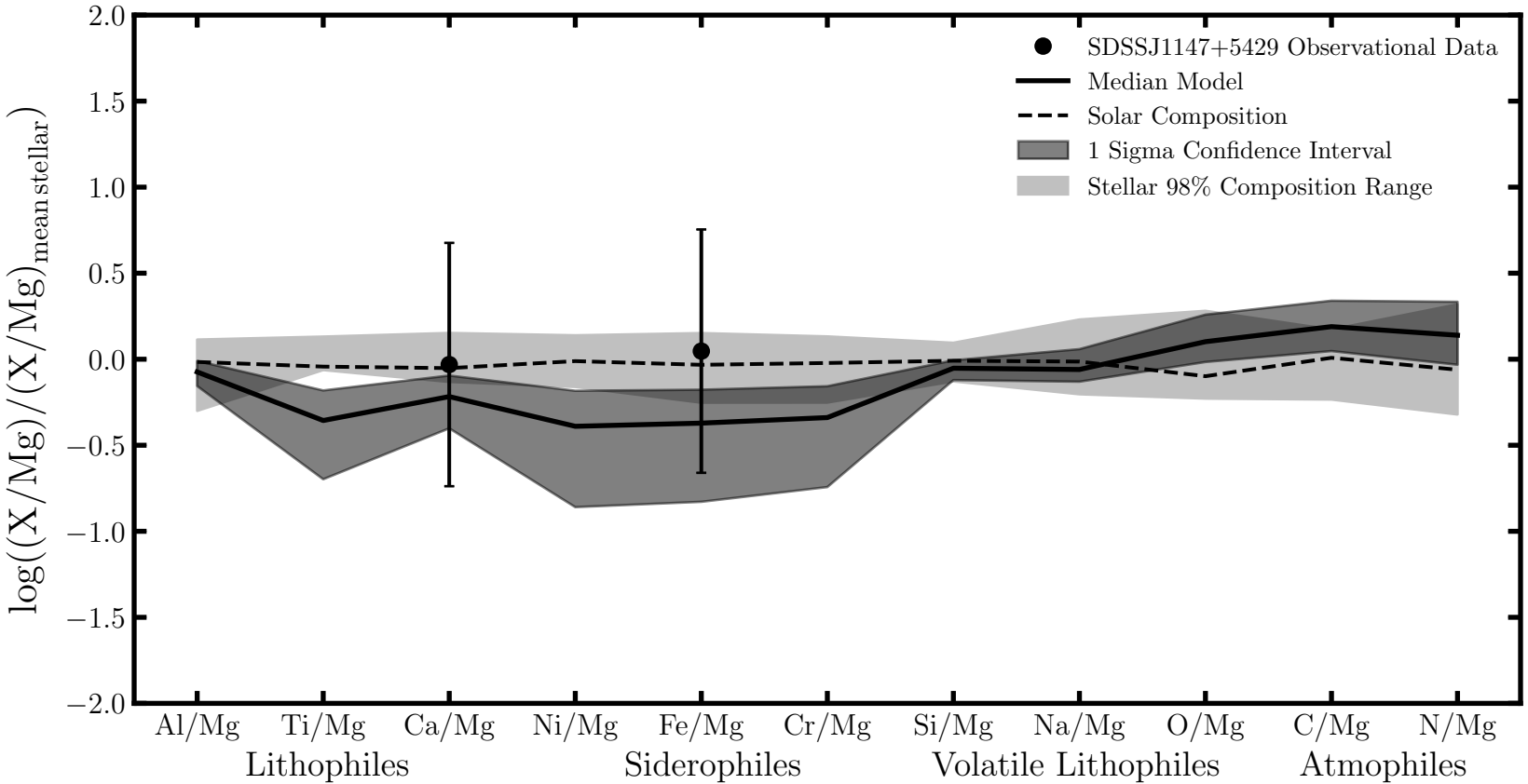

SDSSJ1112+0700 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

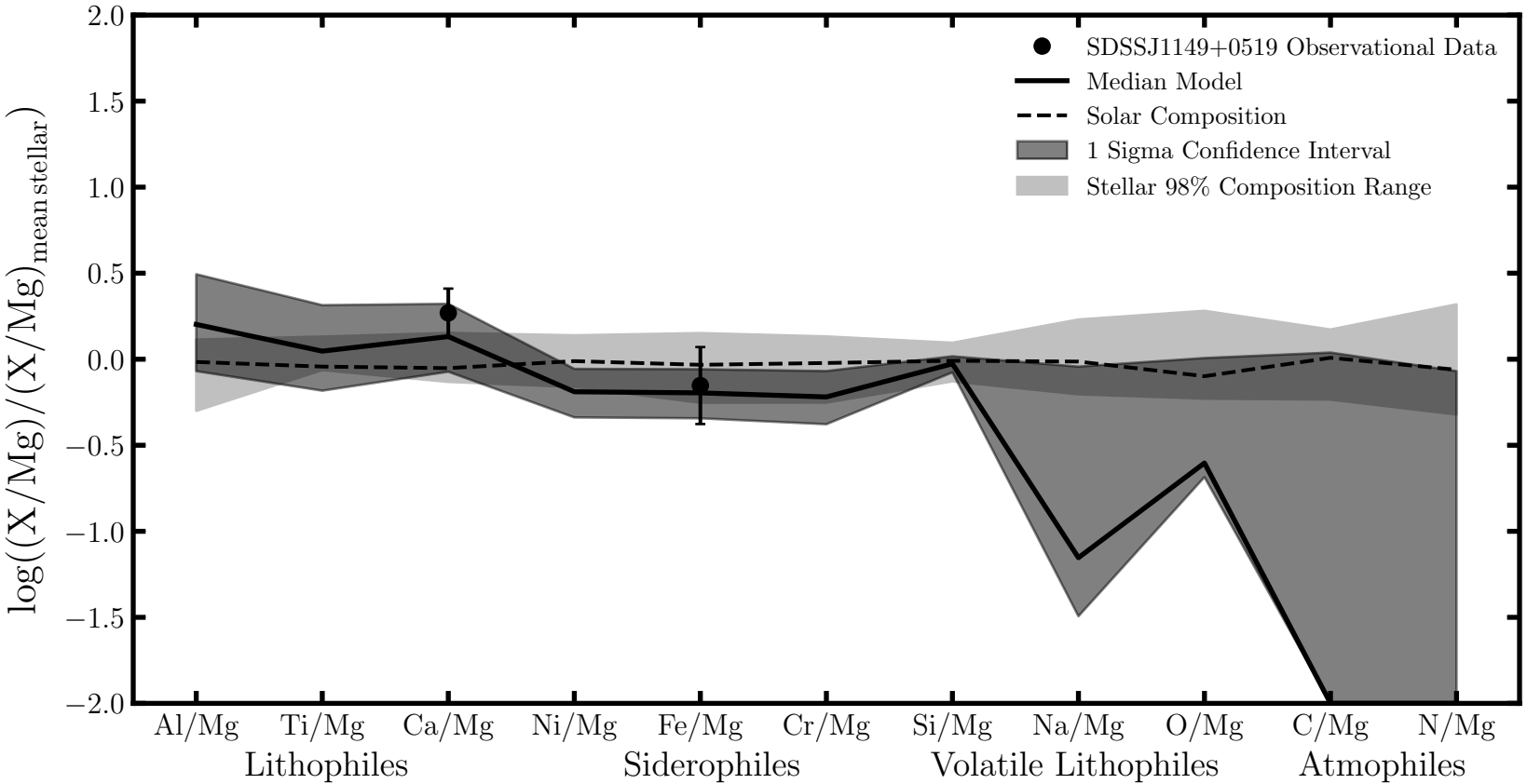

SDSSJ1132+3323 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

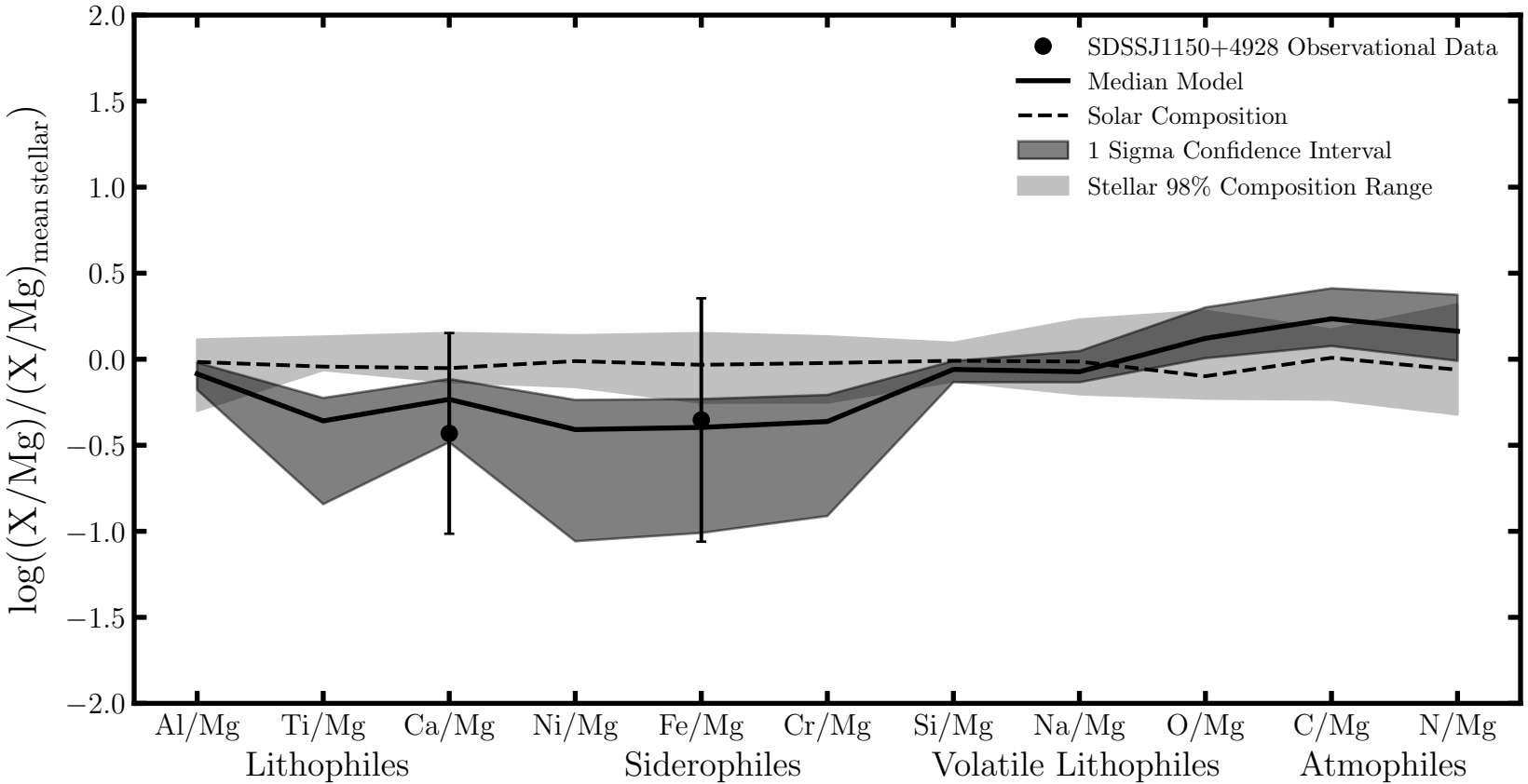

SDSSJ1134+1542 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

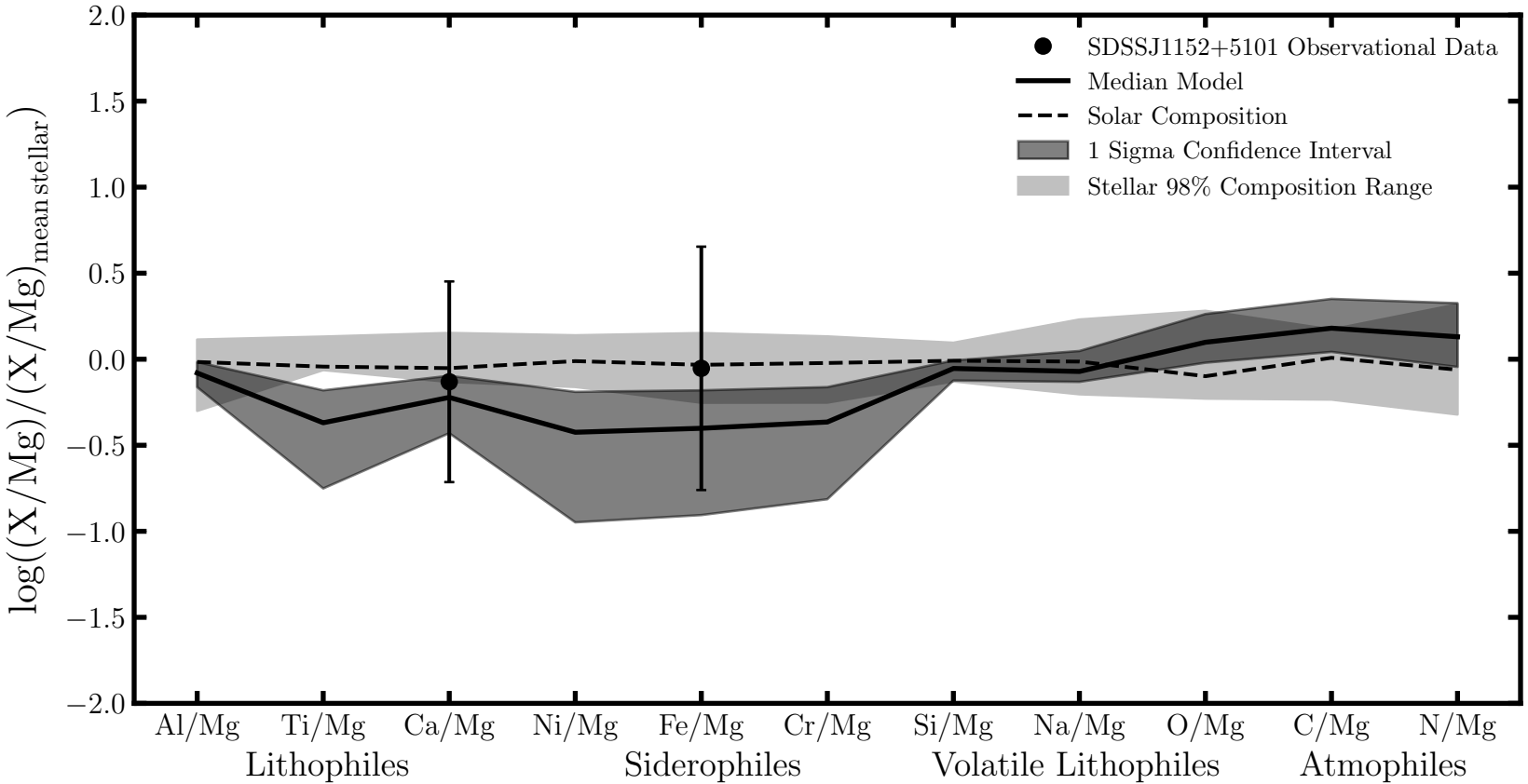

SDSSJ1144+1218 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

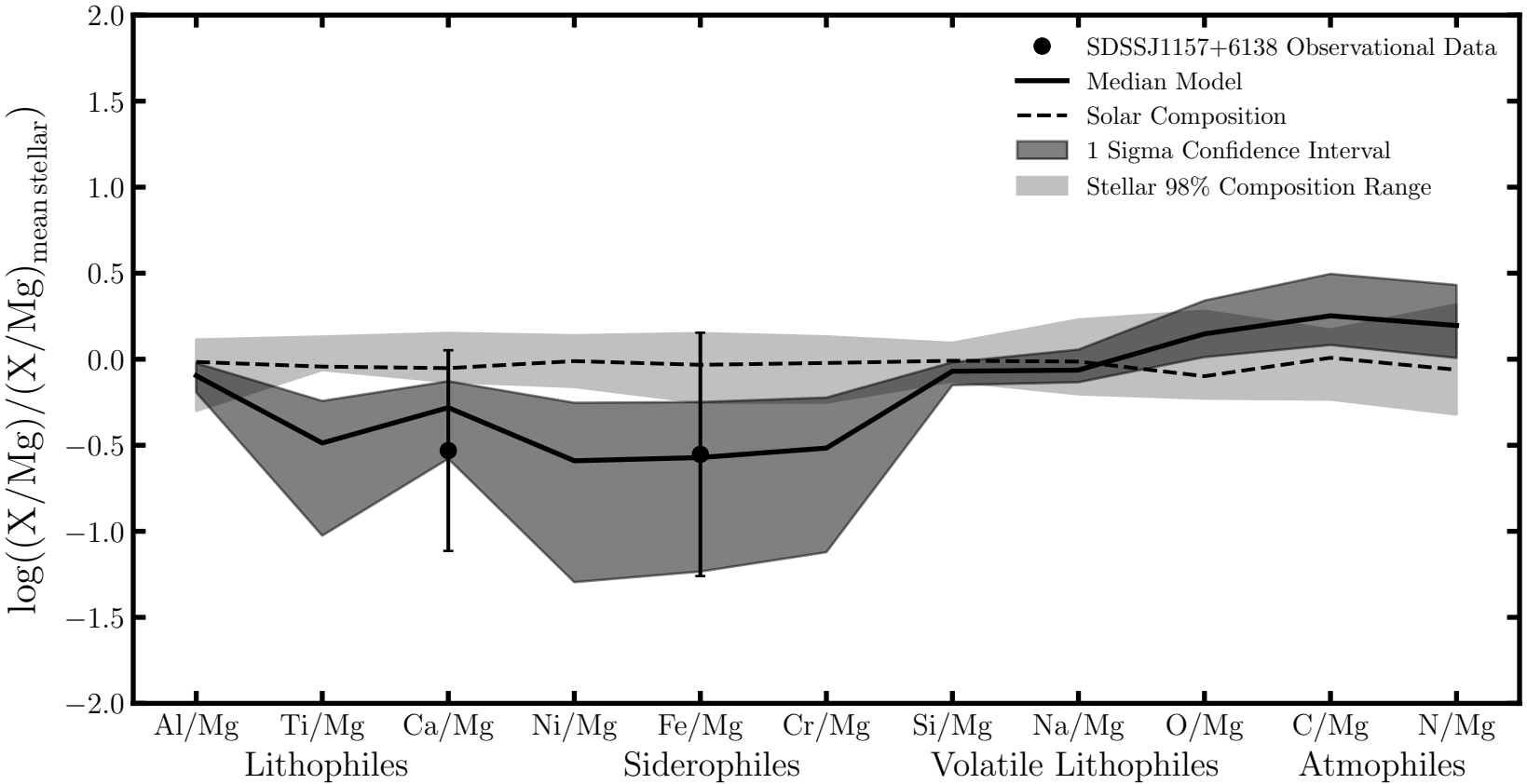

SDSSJ1144+3720 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

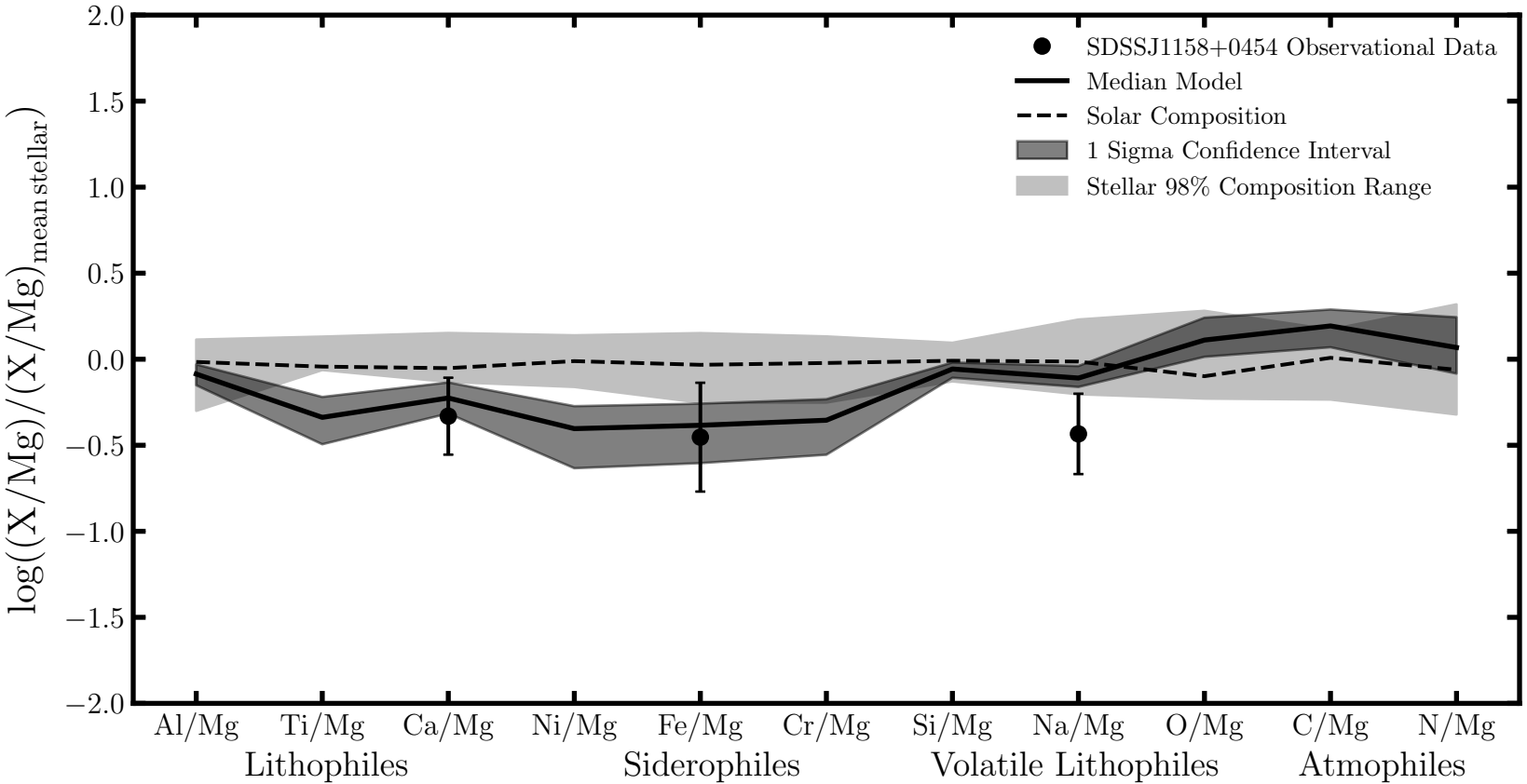

SDSSJ1147+5429 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

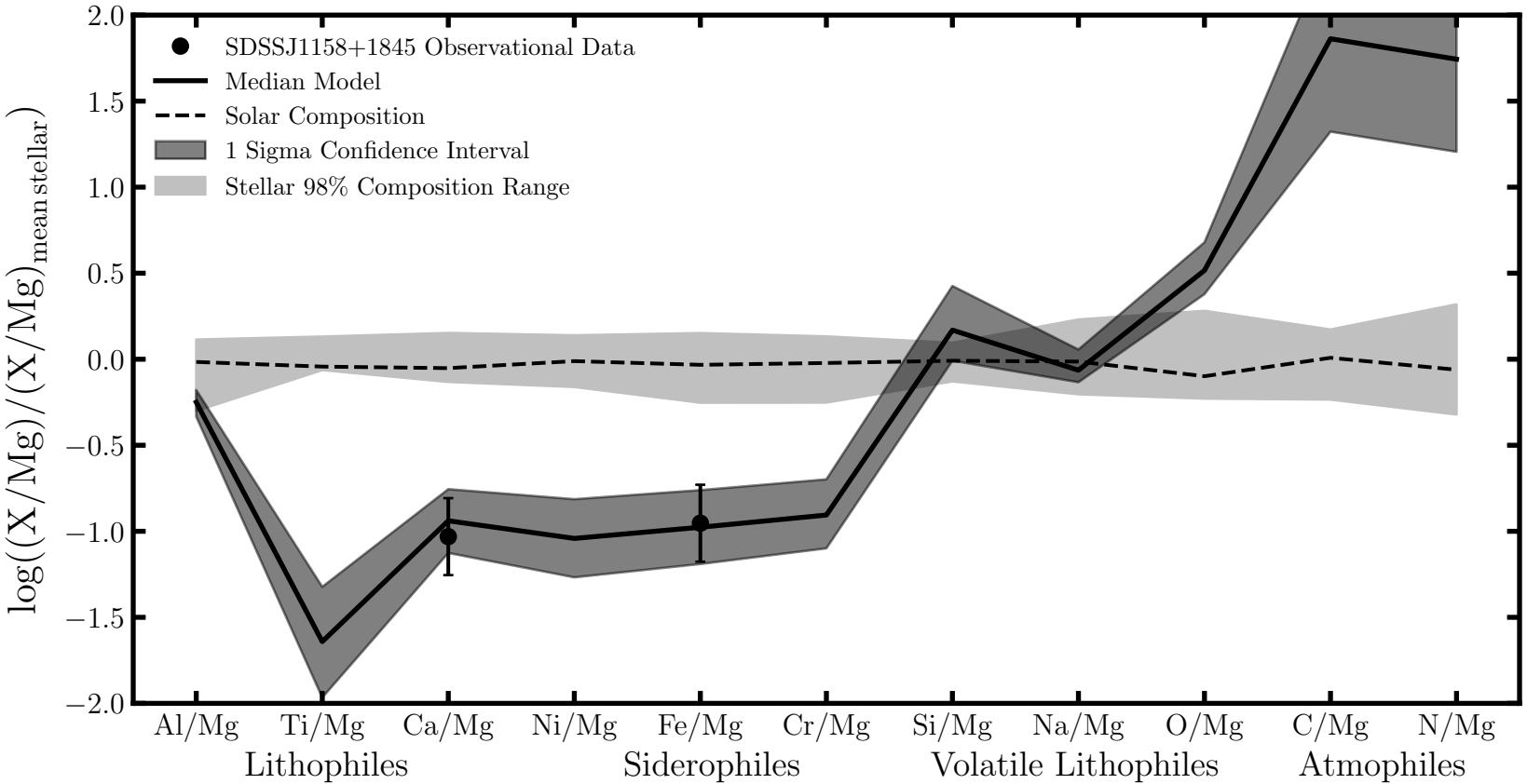

SDSSJ1149+0519 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

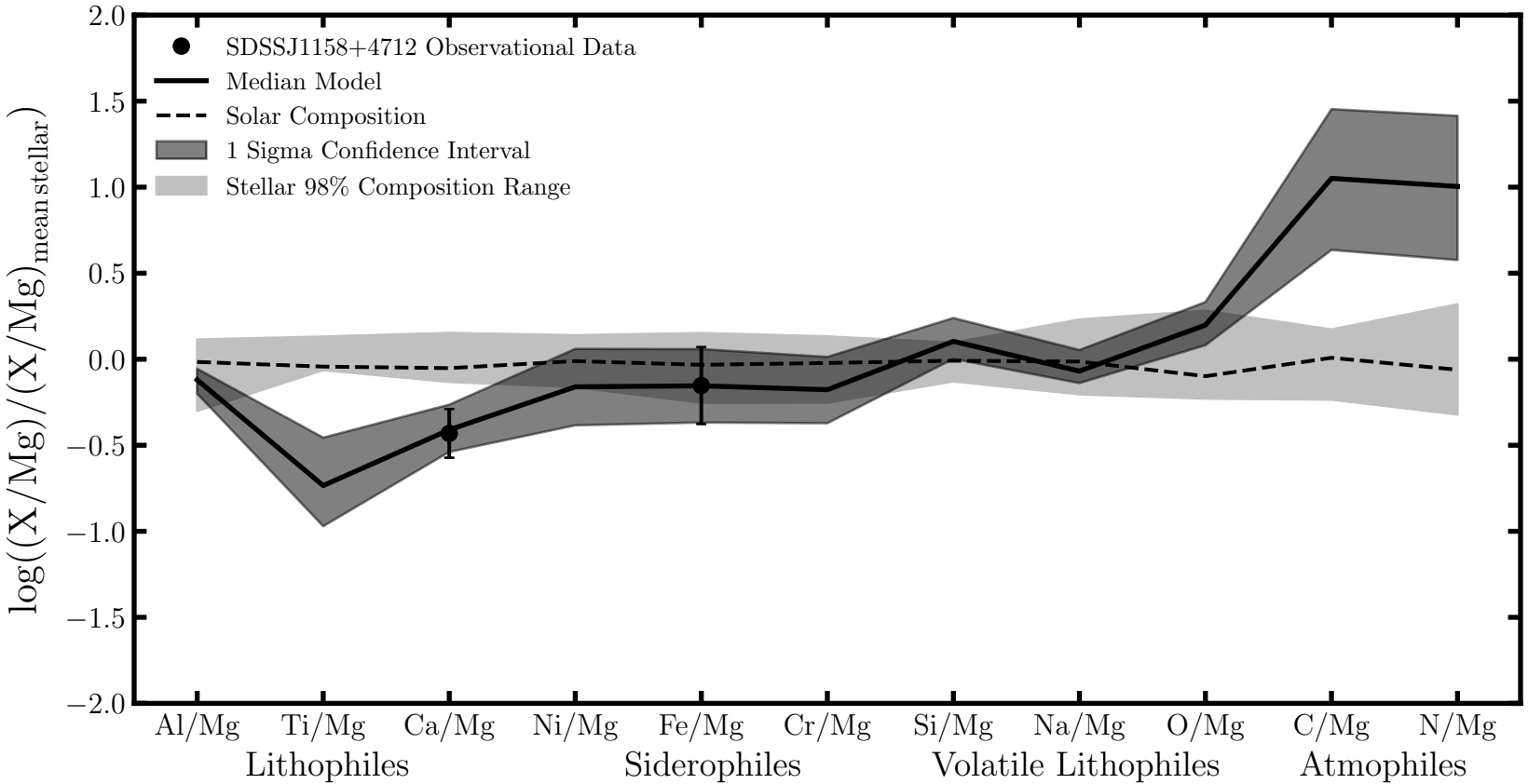

SDSSJ1150+4928 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

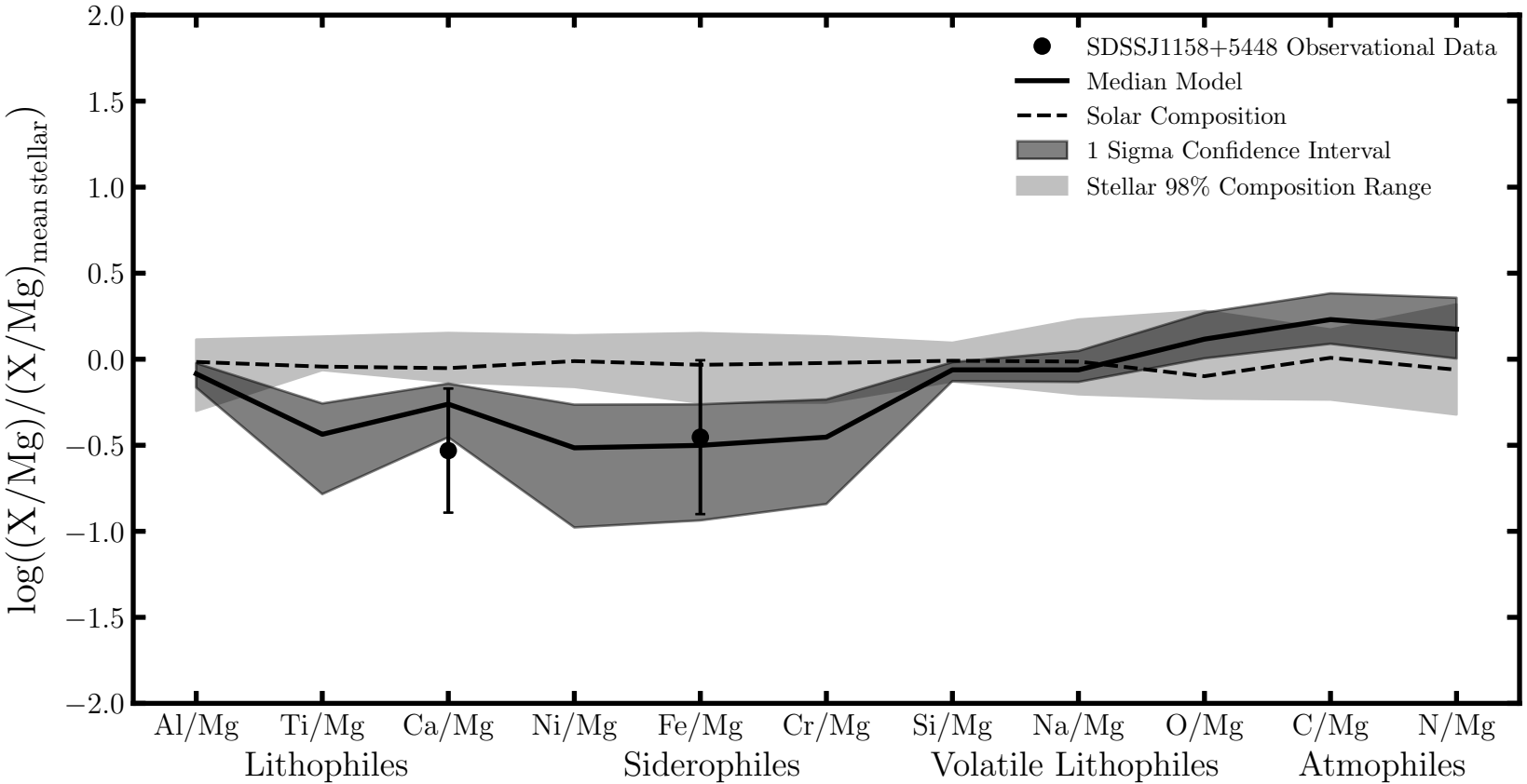

SDSSJ1152+5101 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

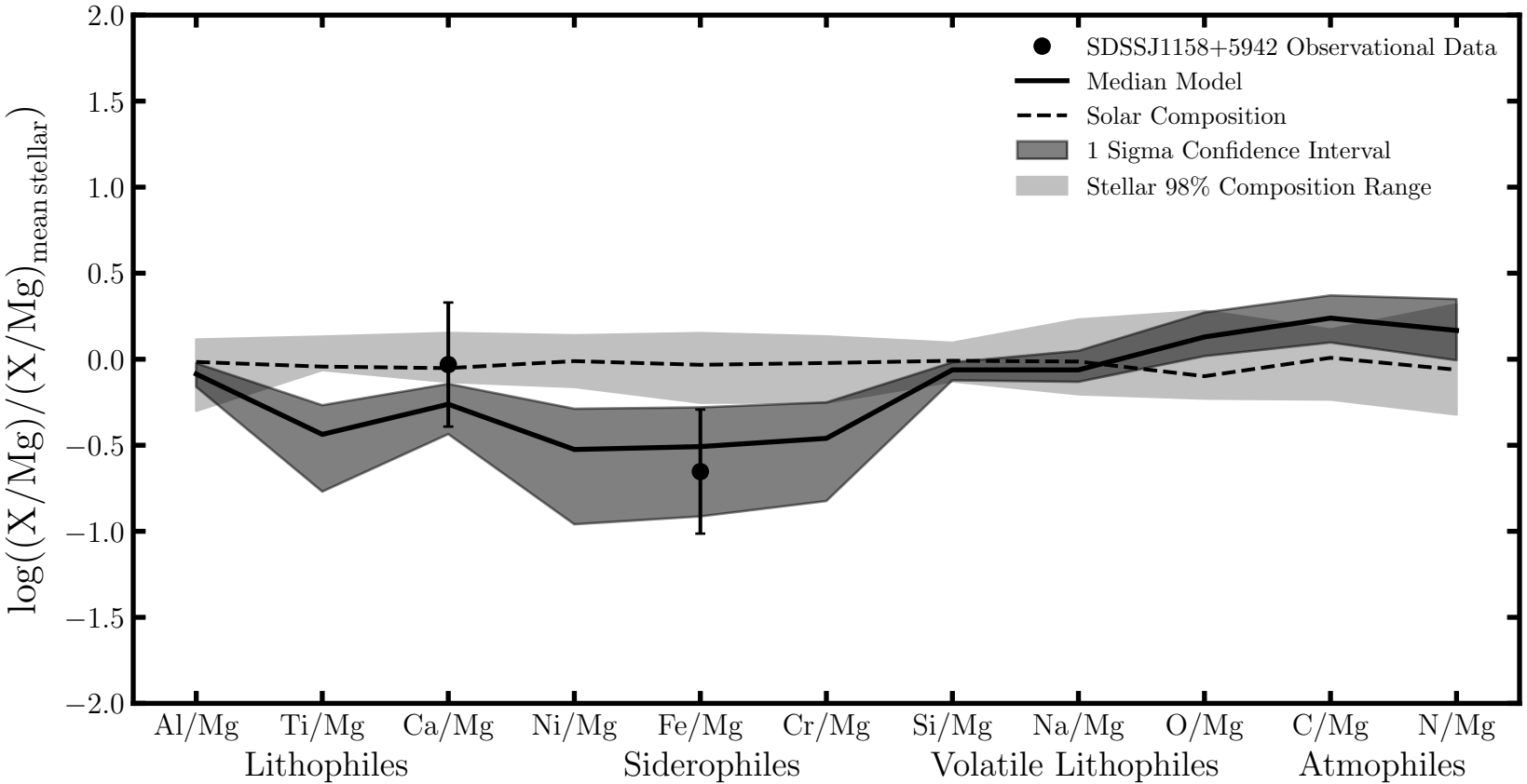

SDSSJ1157+6138 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

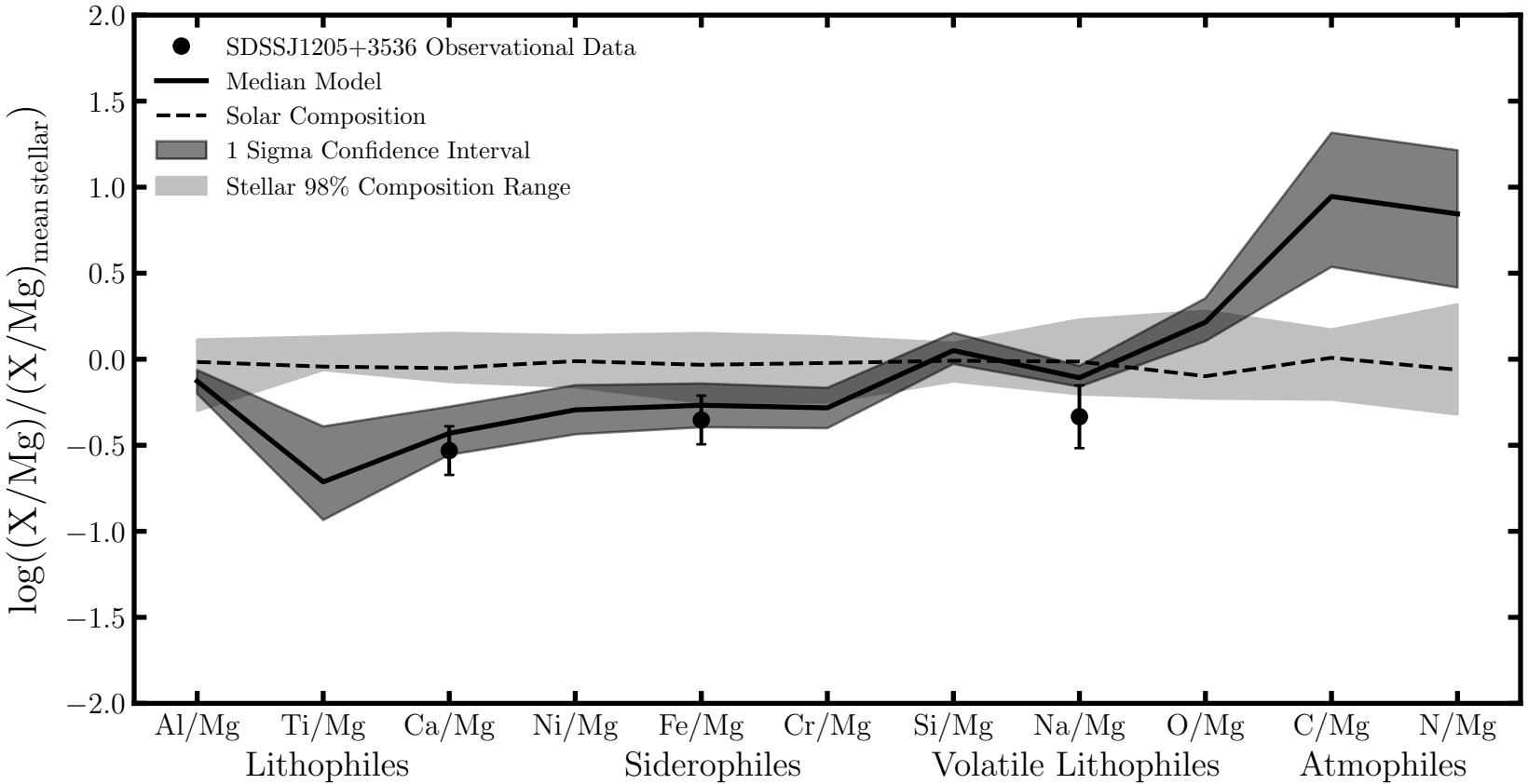

SDSSJ1158+0454 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

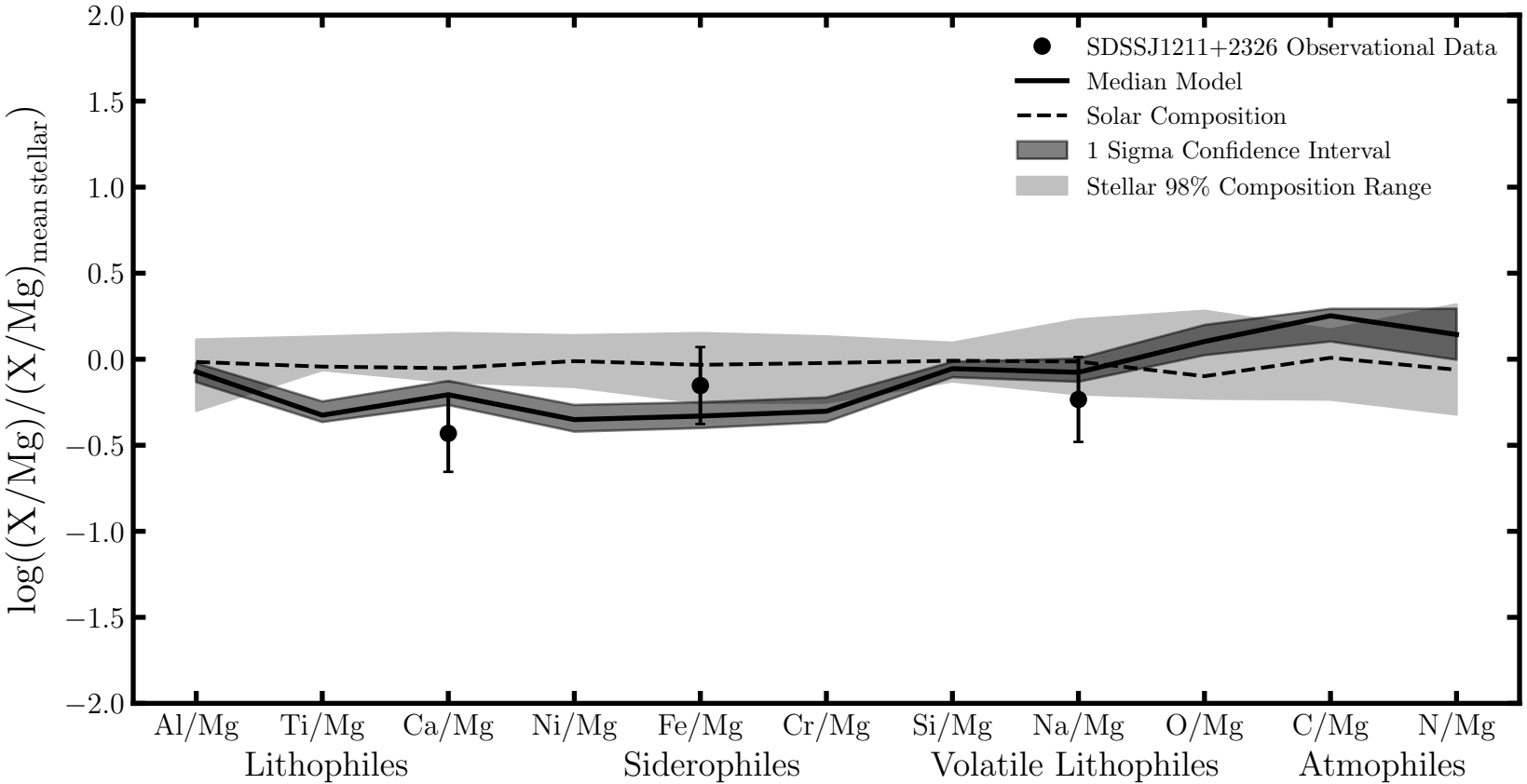

SDSSJ1158+1845 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

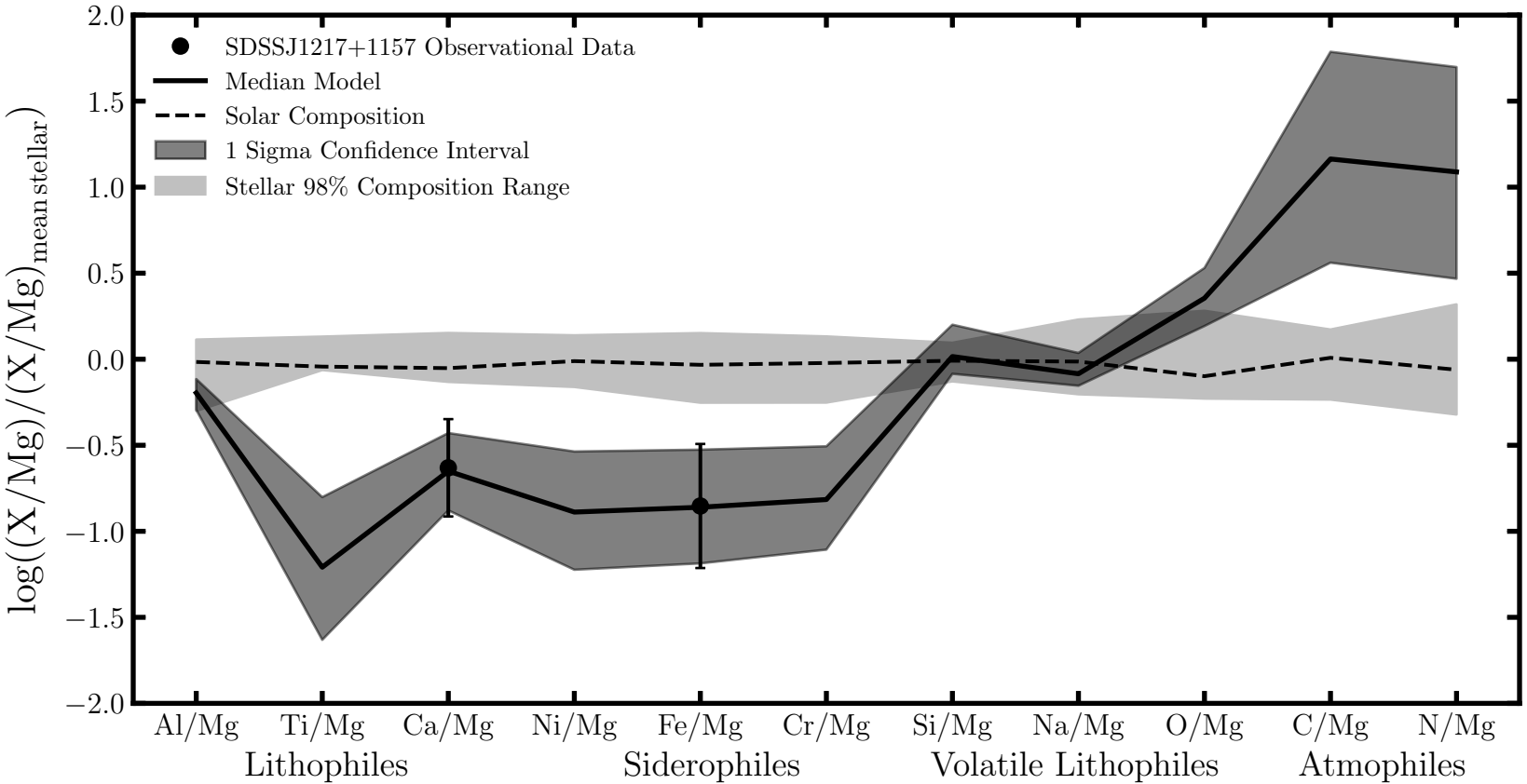

SDSSJ1158+4712 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

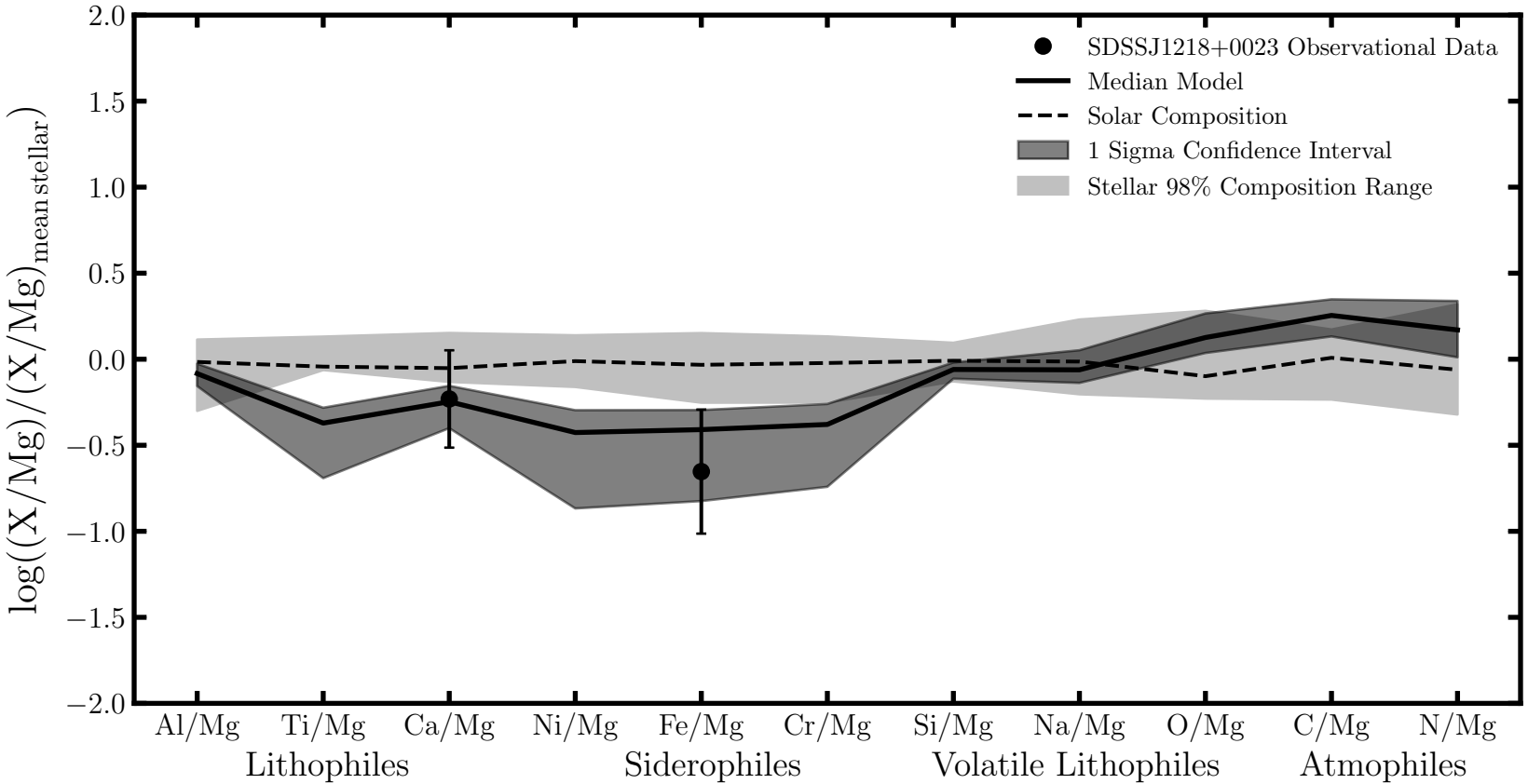

SDSSJ1158+5448 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

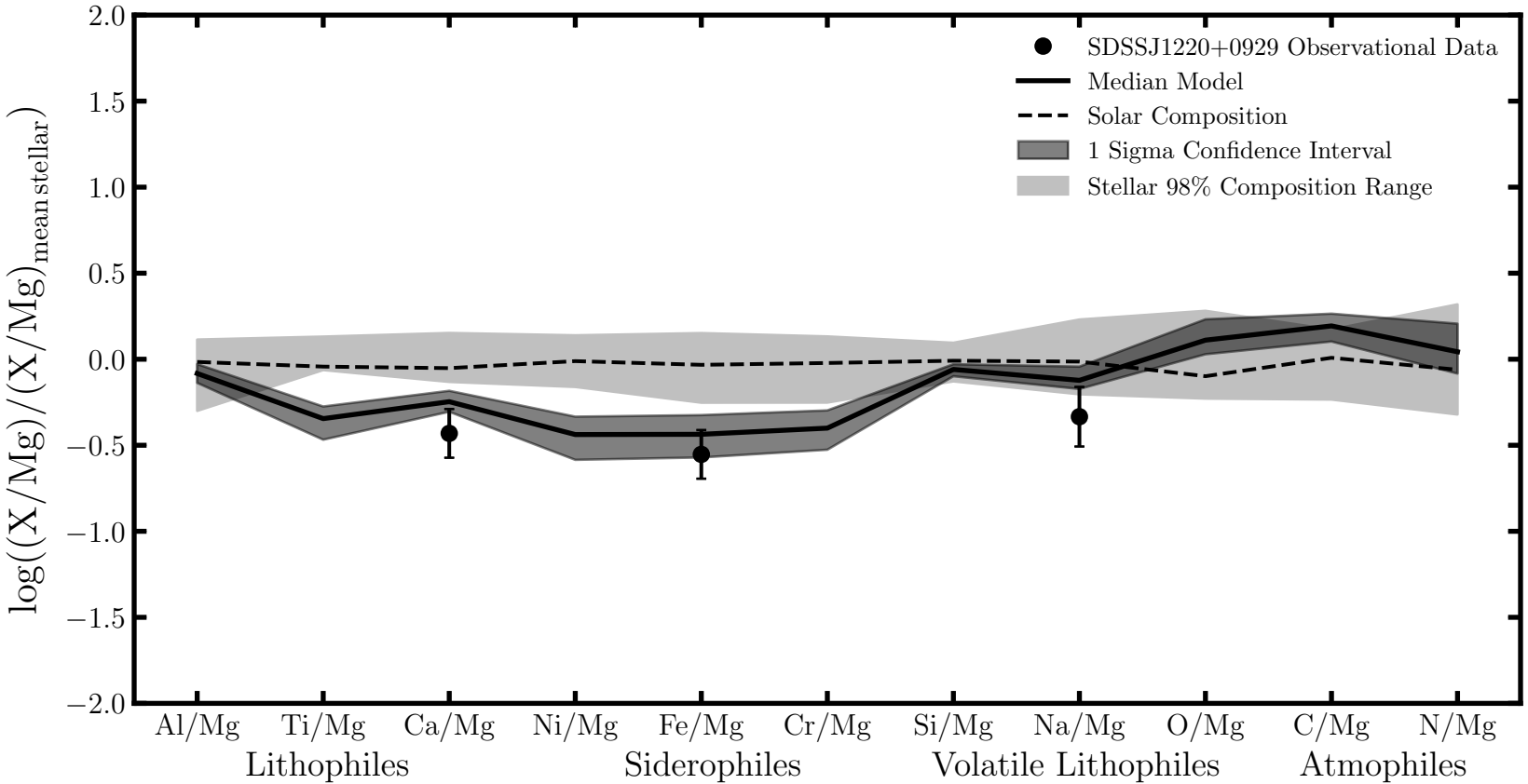

SDSSJ1158+5942 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

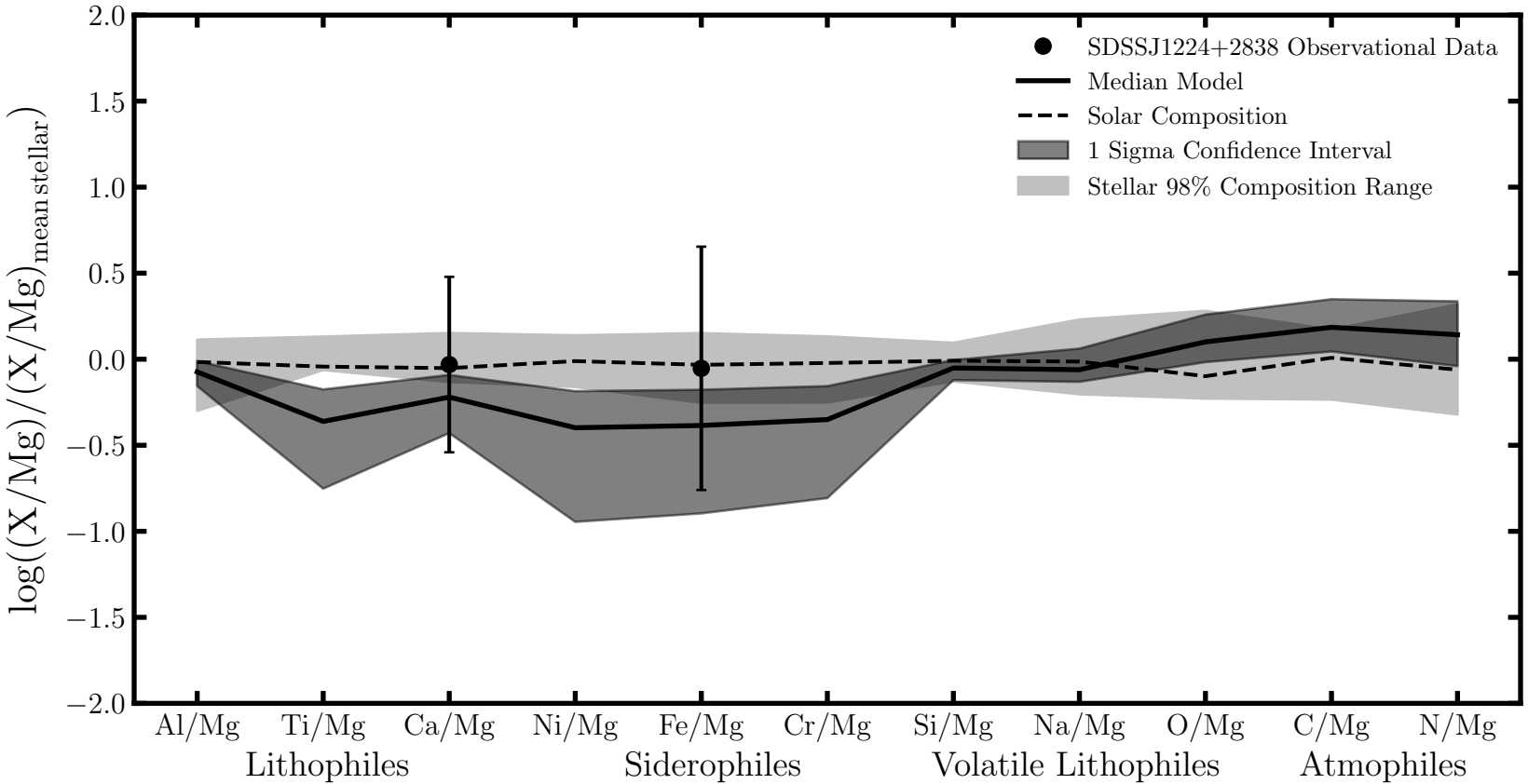

SDSSJ1205+3536 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

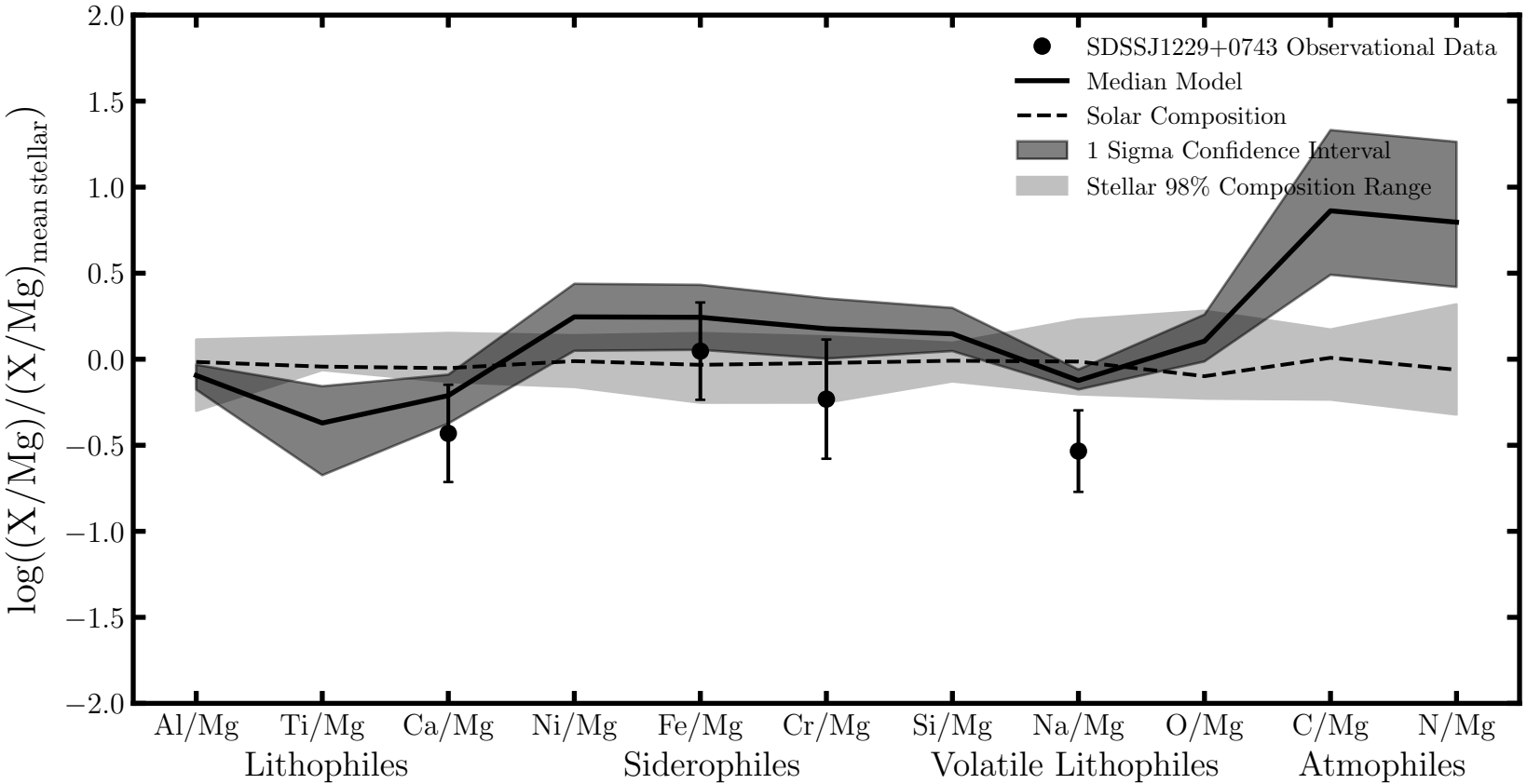

SDSSJ1211+2326 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

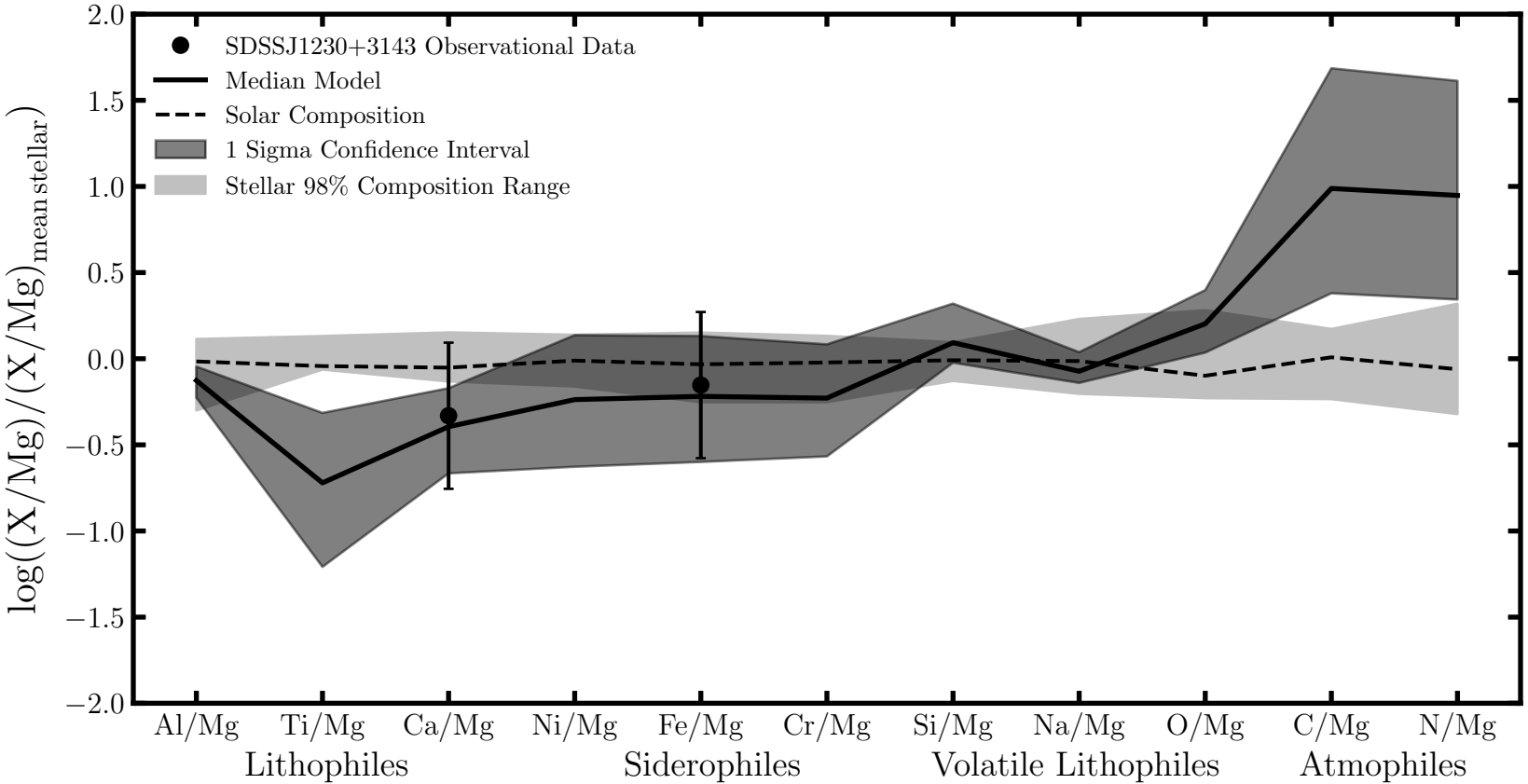

SDSSJ1217+1157 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

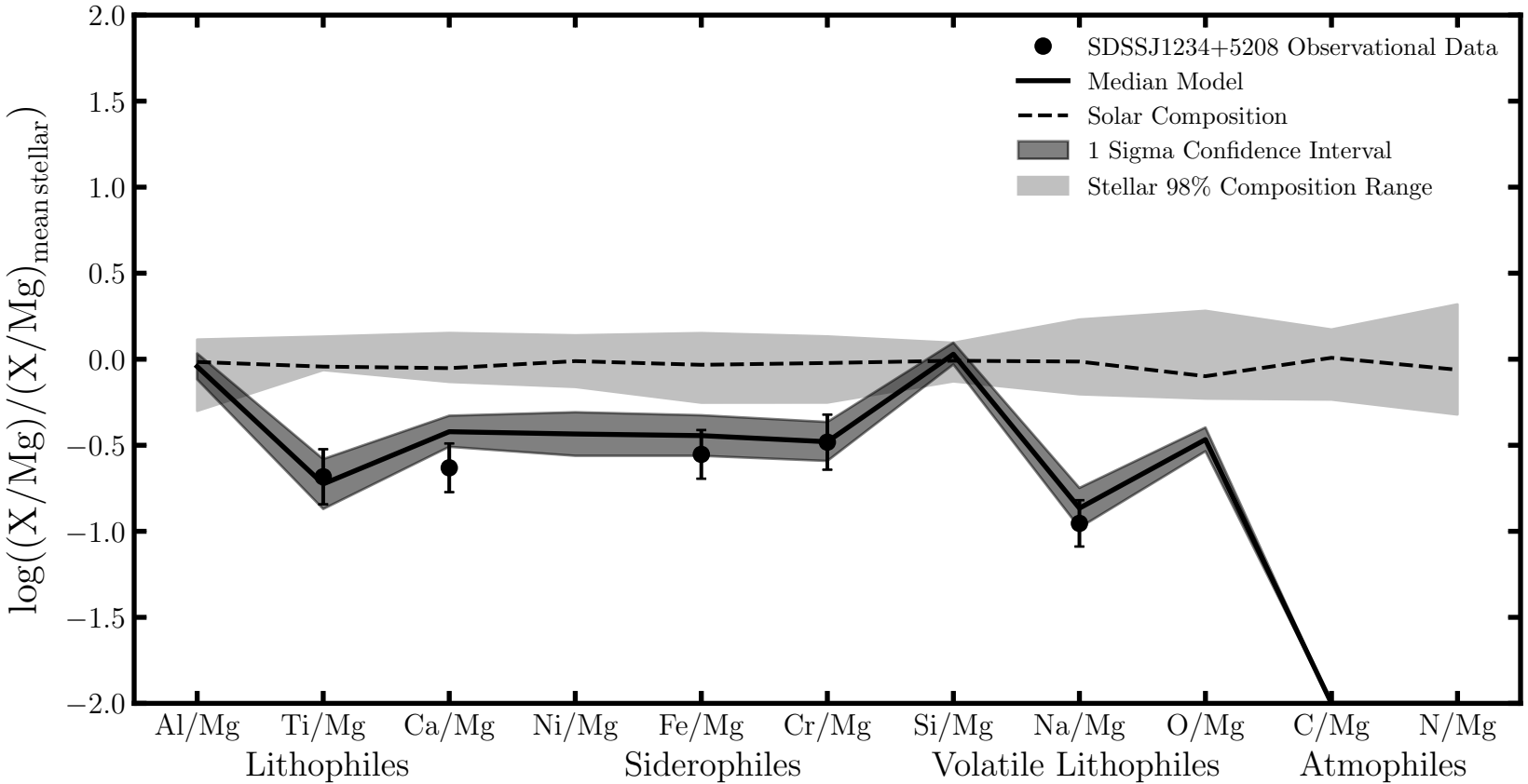

SDSSJ1218+0023 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

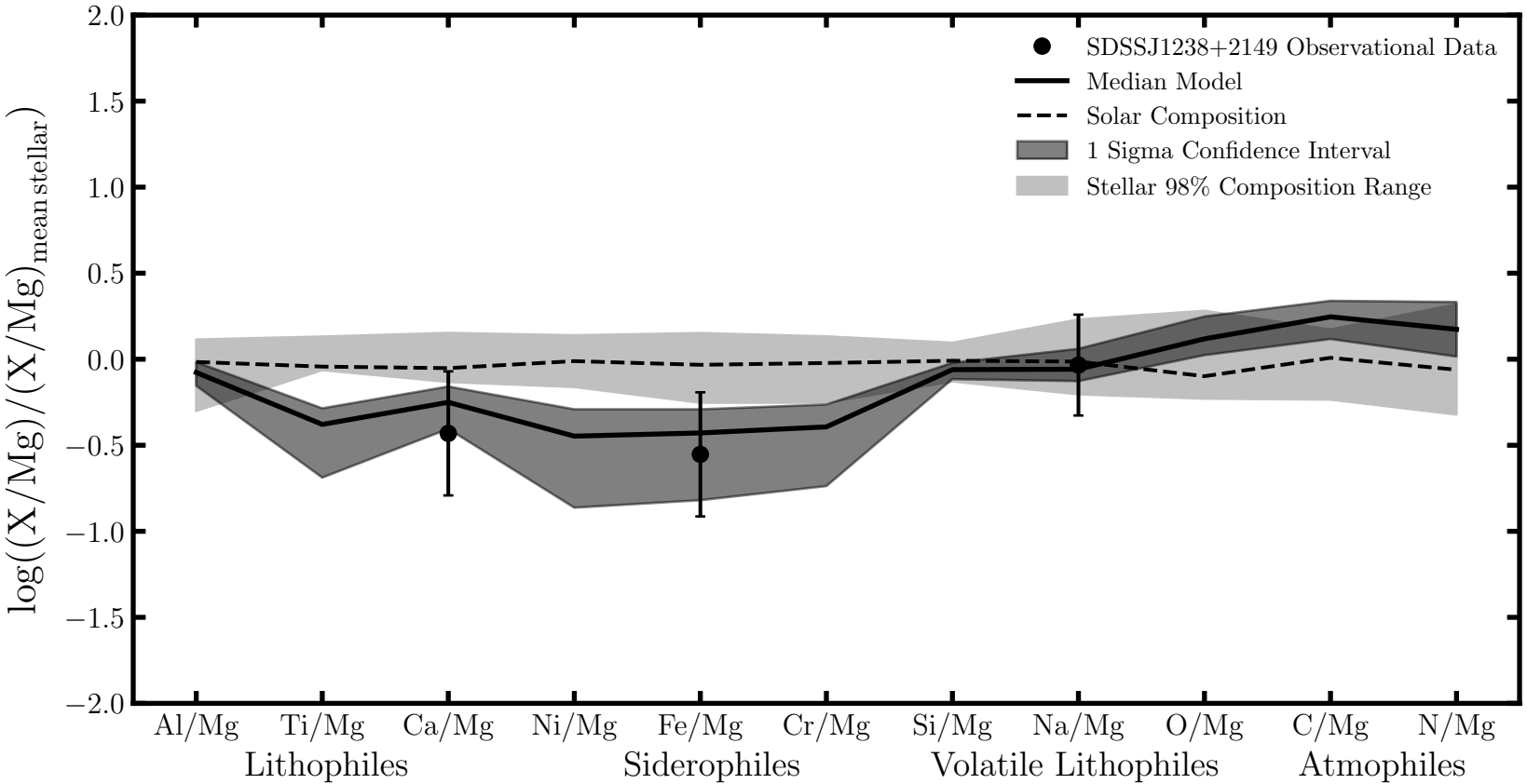

SDSSJ1220+0929 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

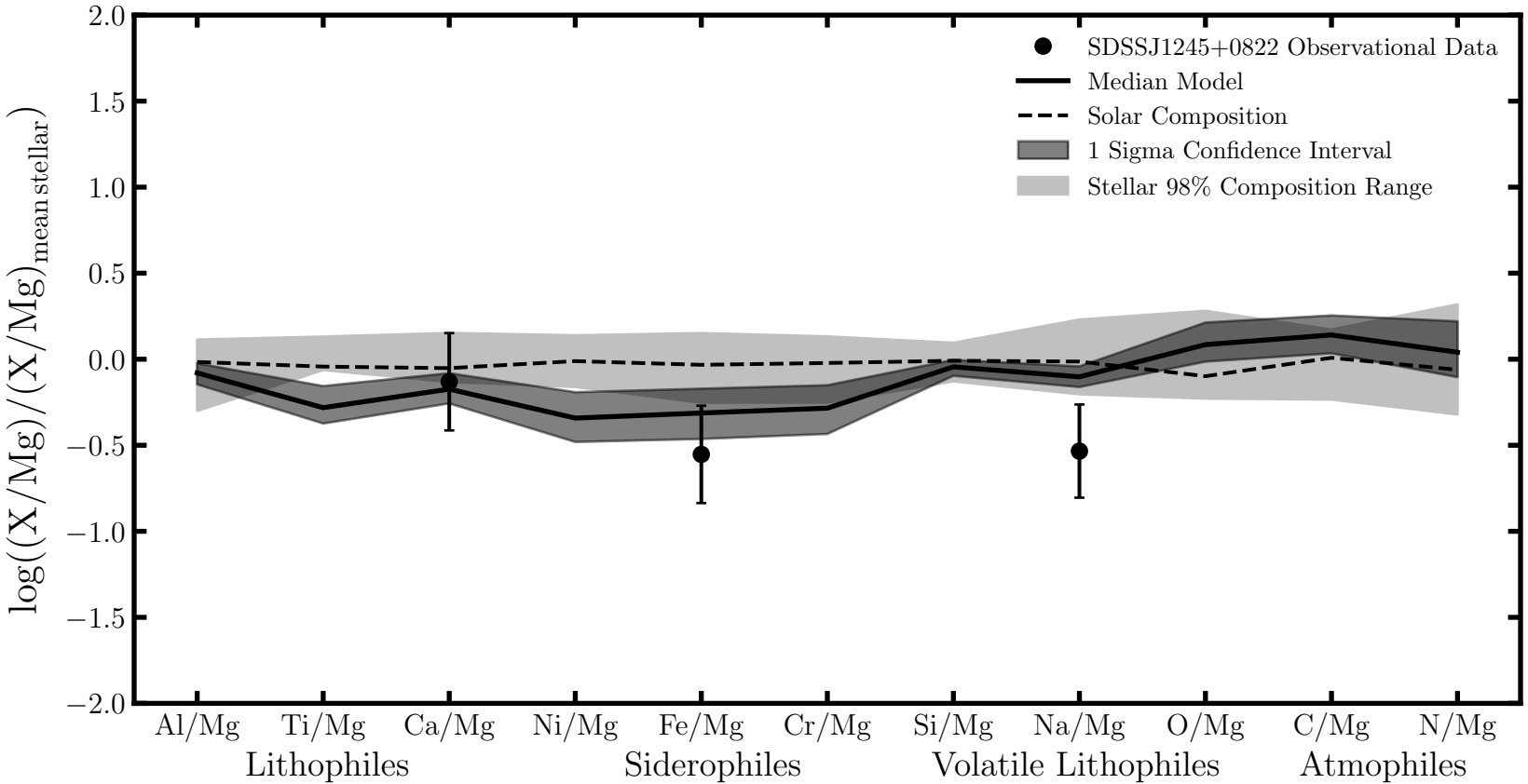

SDSSJ1224+2838 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

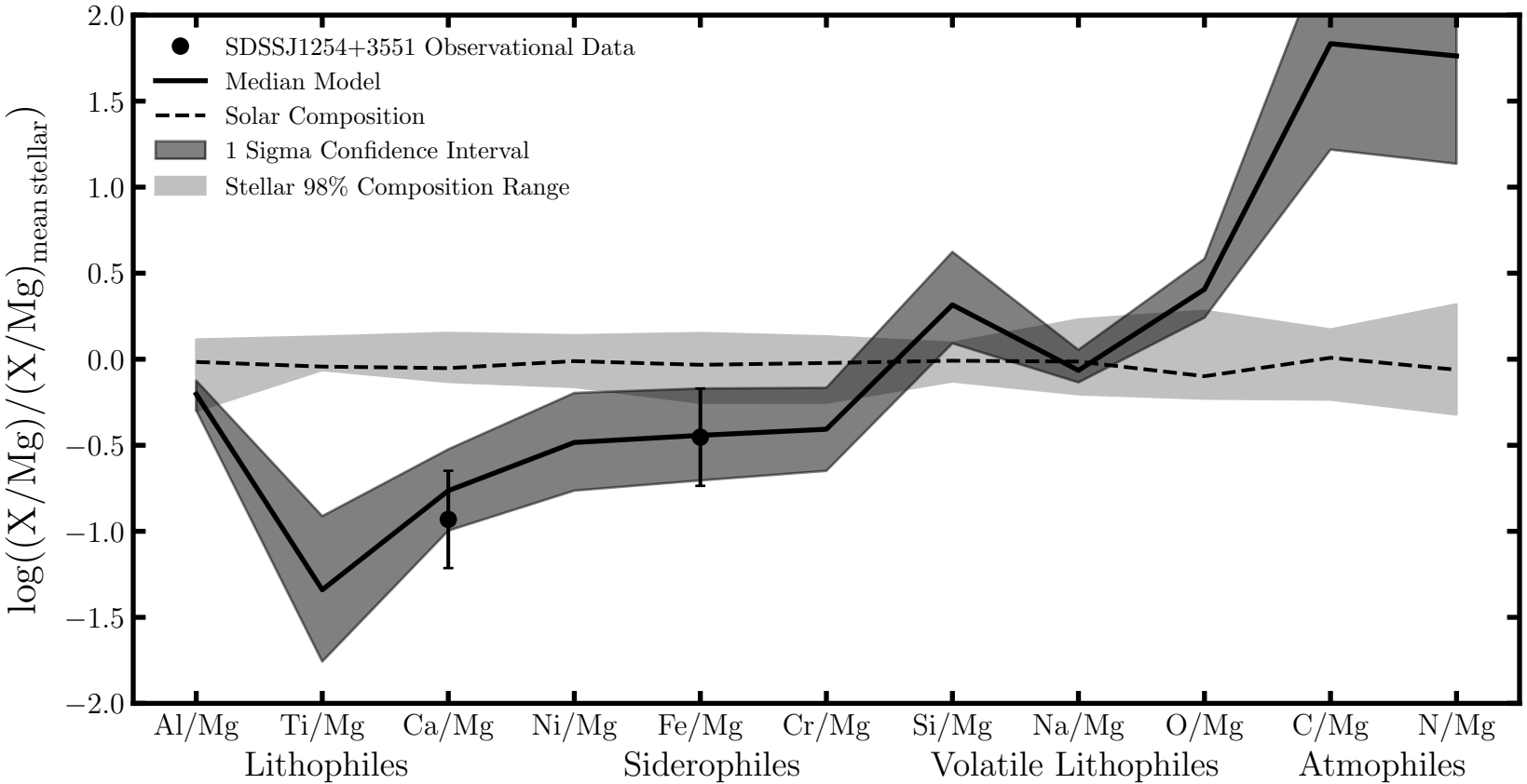

SDSSJ1229+0743 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

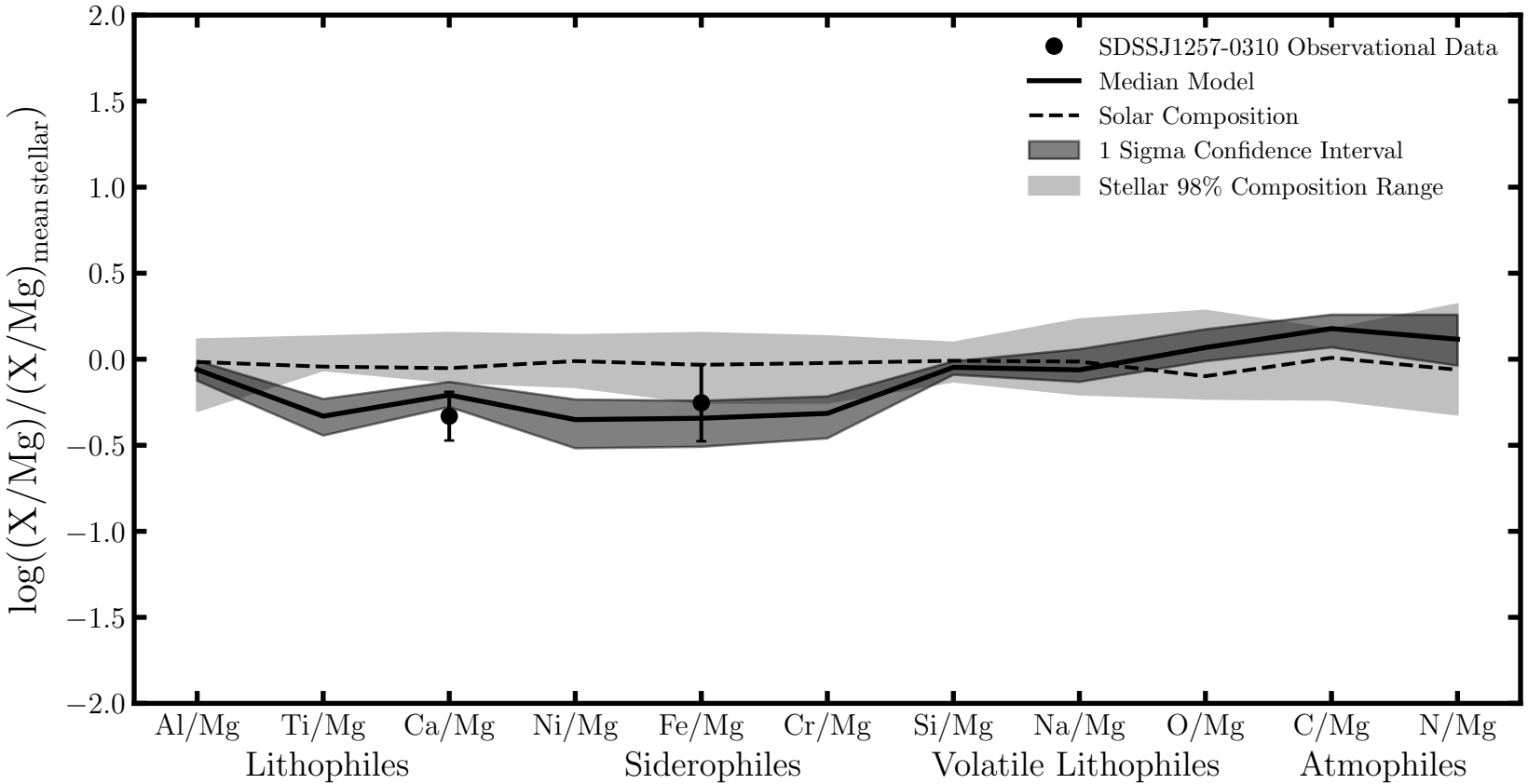

SDSSJ1230+3143 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

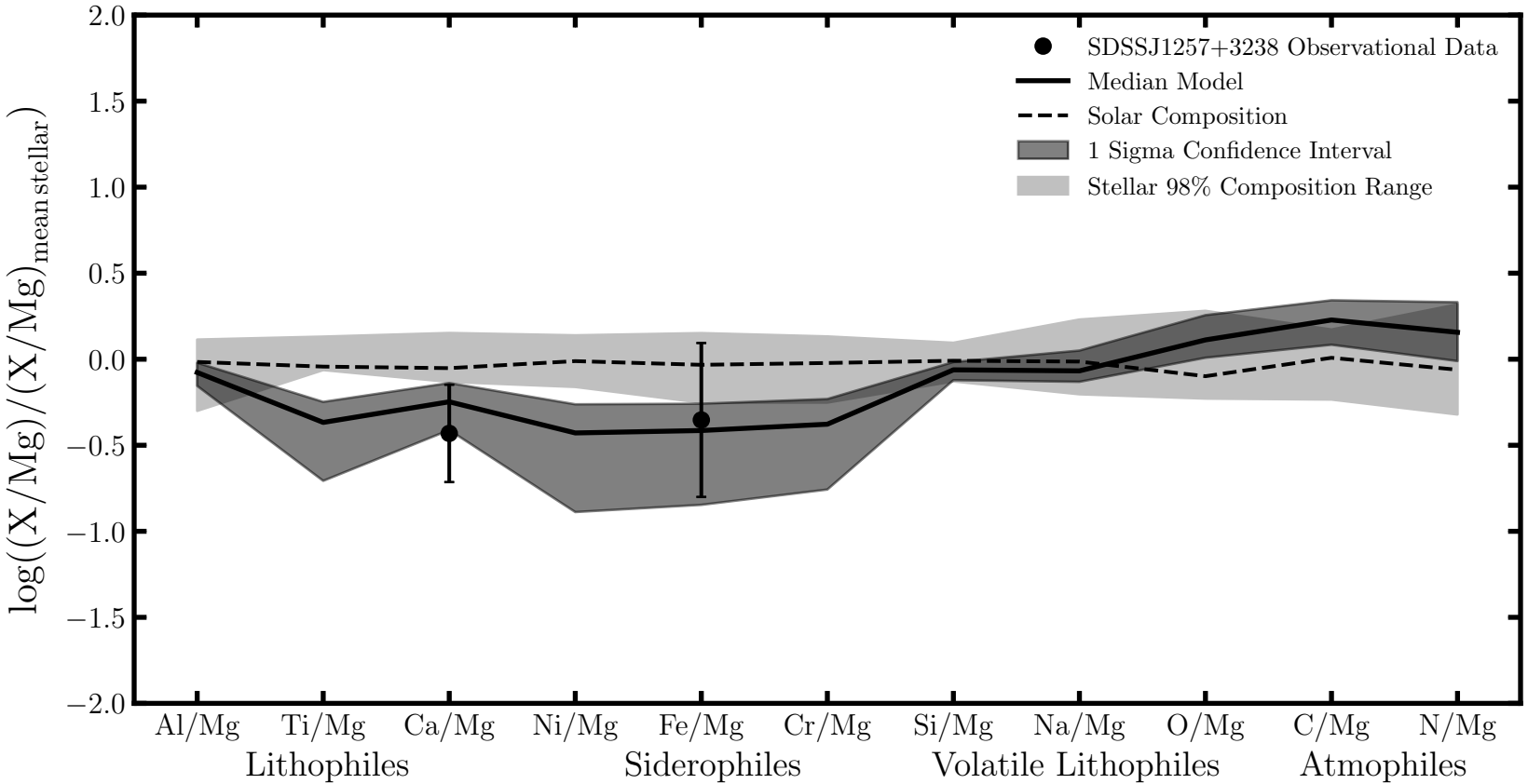

SDSSJ1234+5208 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

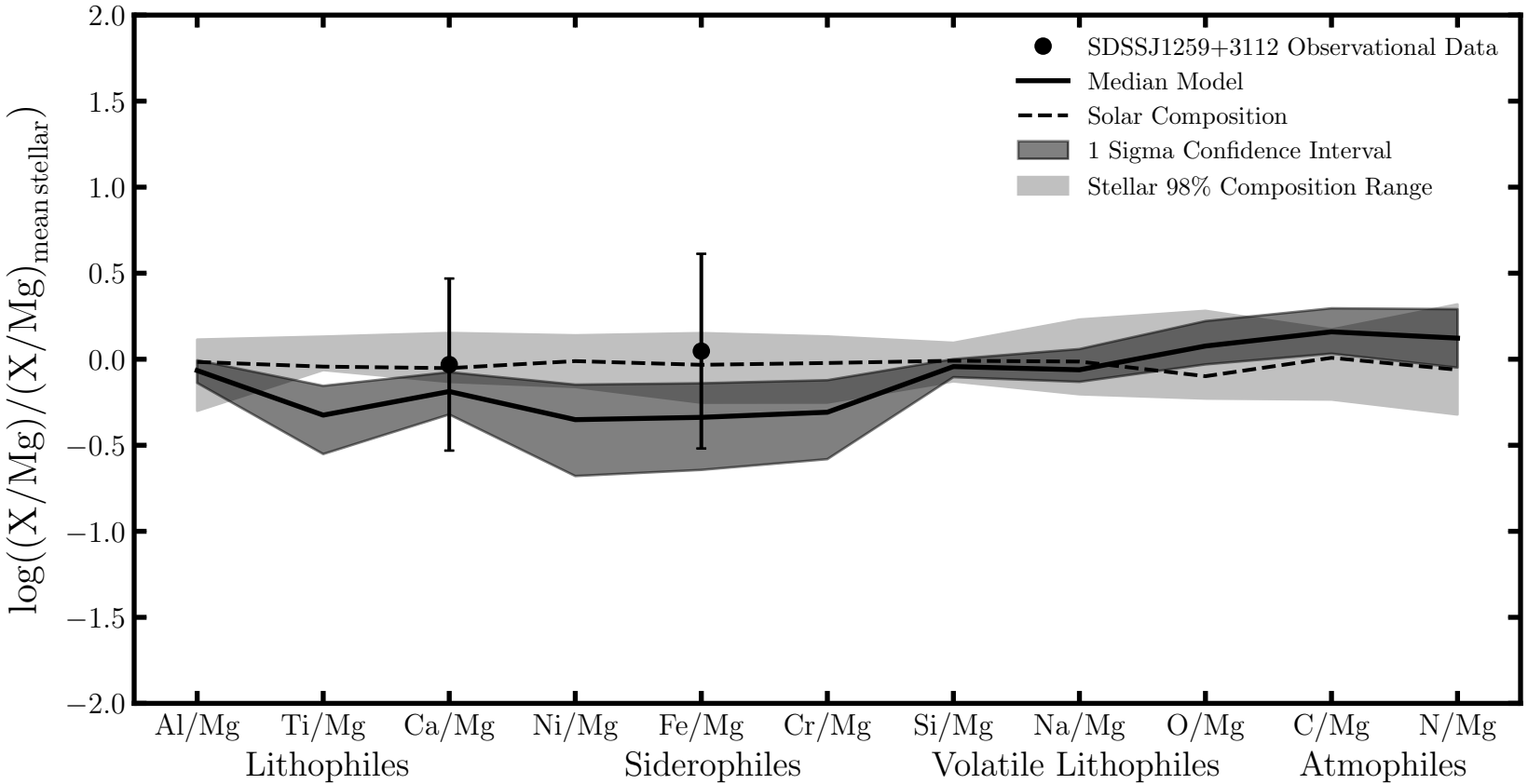

SDSSJ1238+2149 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

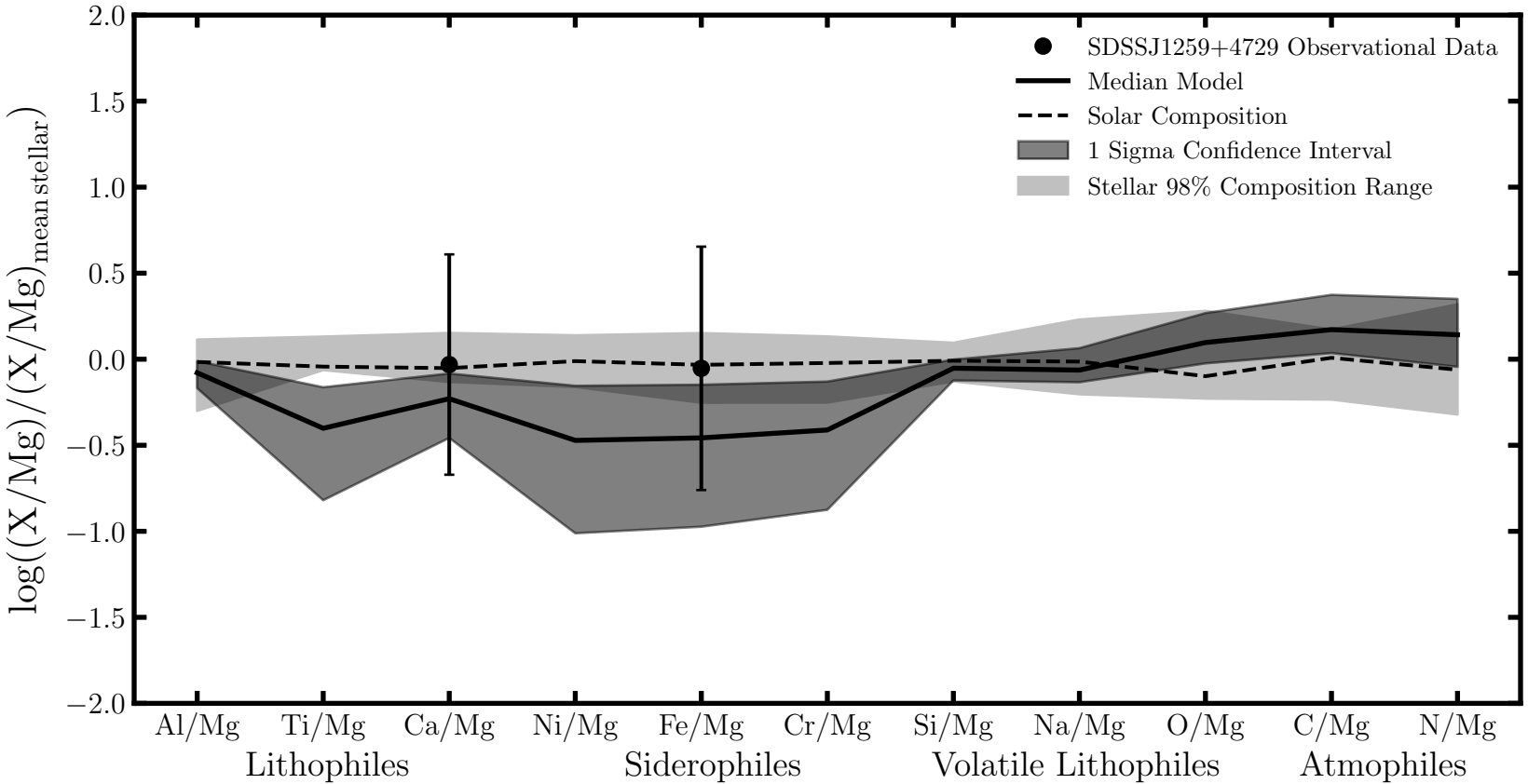

SDSSJ1245+0822 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

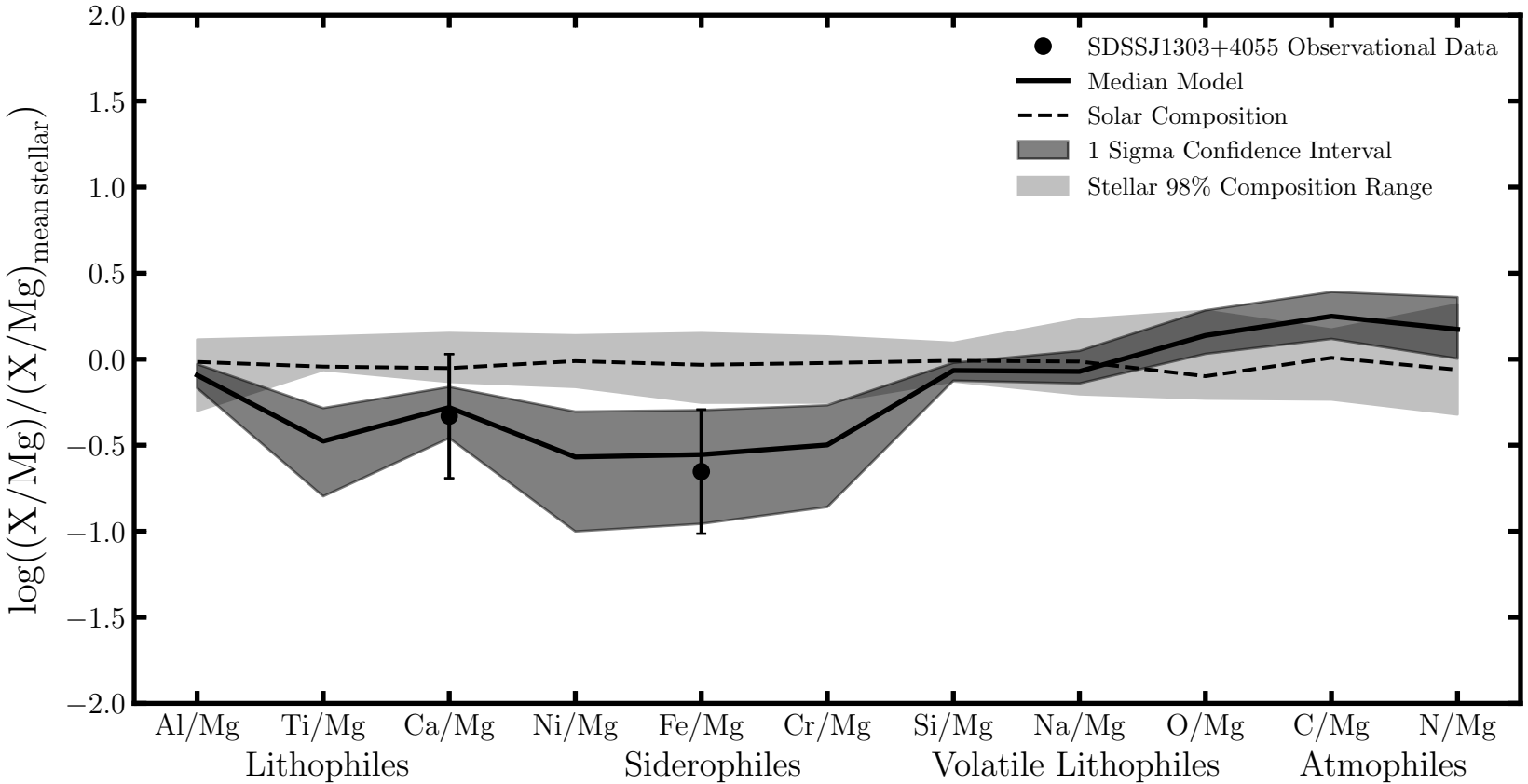

SDSSJ1254+3551 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

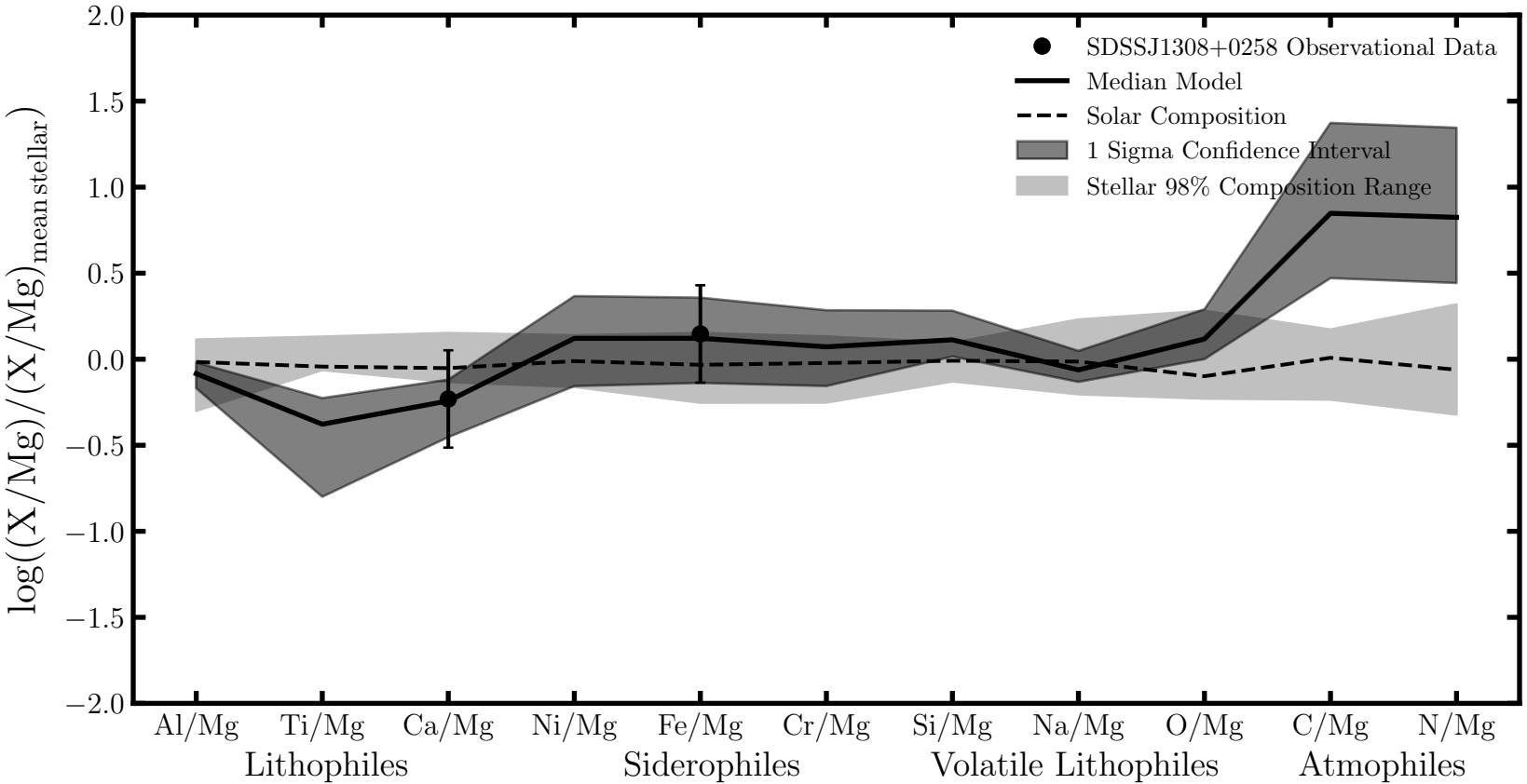

SDSSJ1257-0310 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

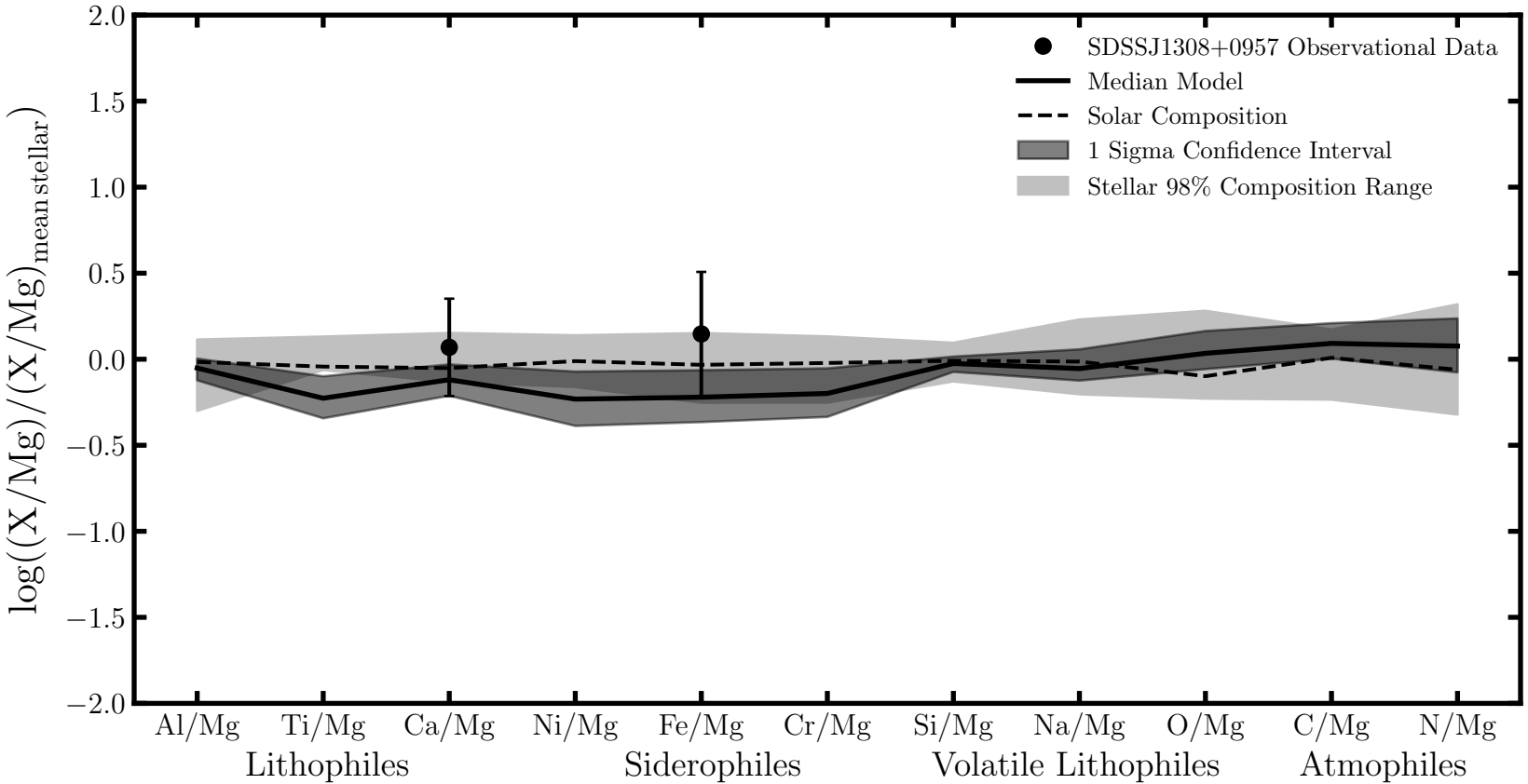

SDSSJ1257+3238 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

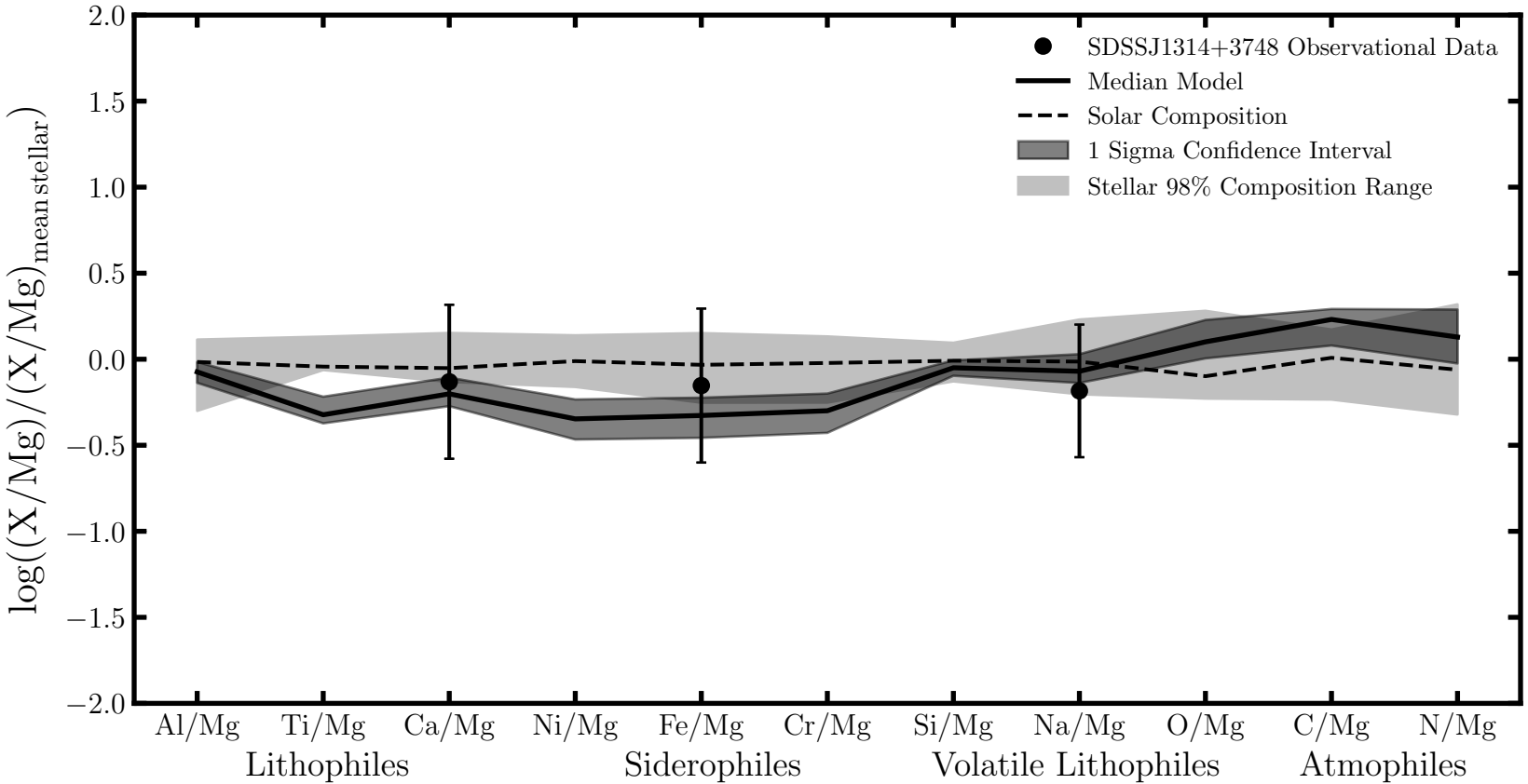

SDSSJ1259+3112 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

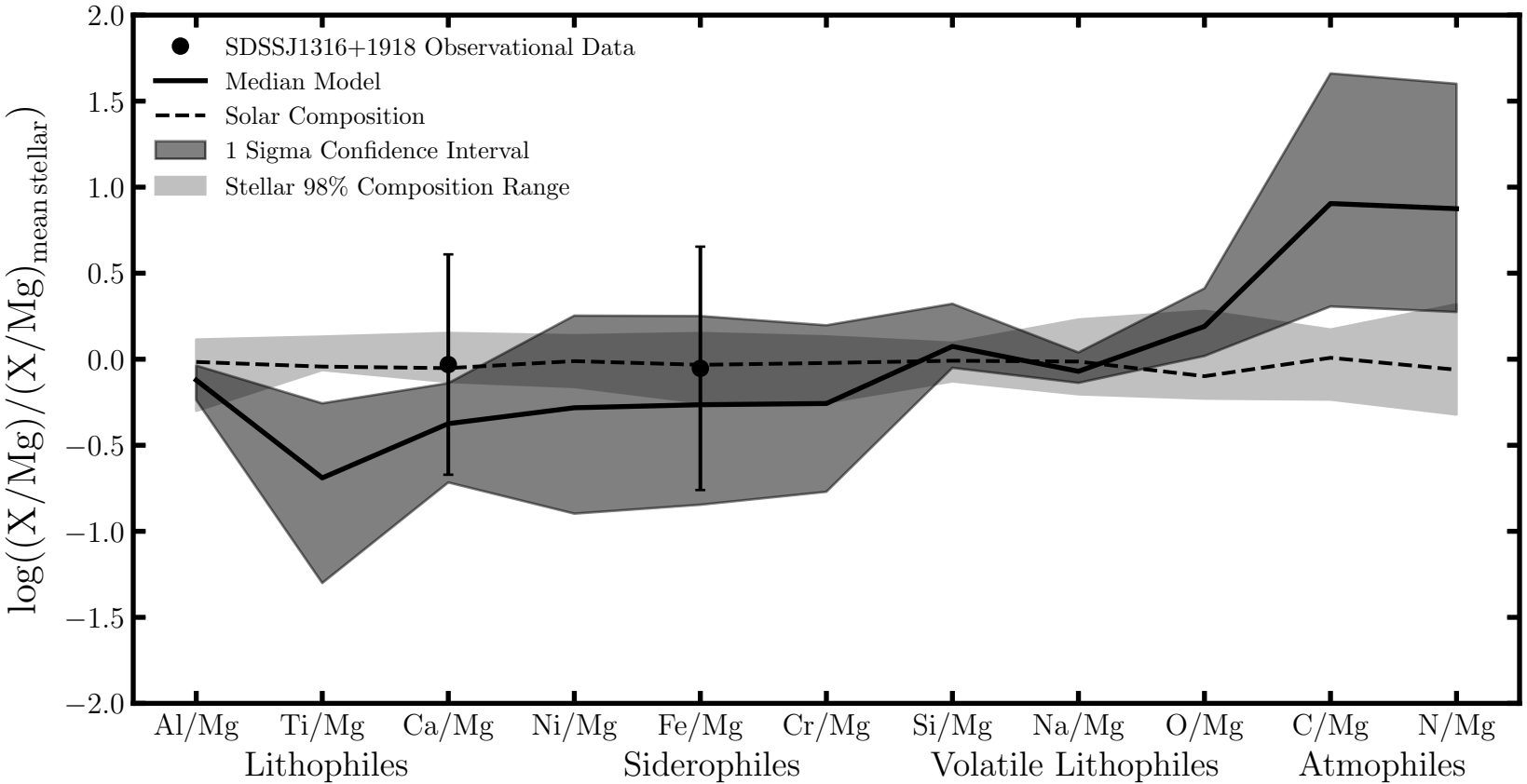

SDSSJ1259+4729 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

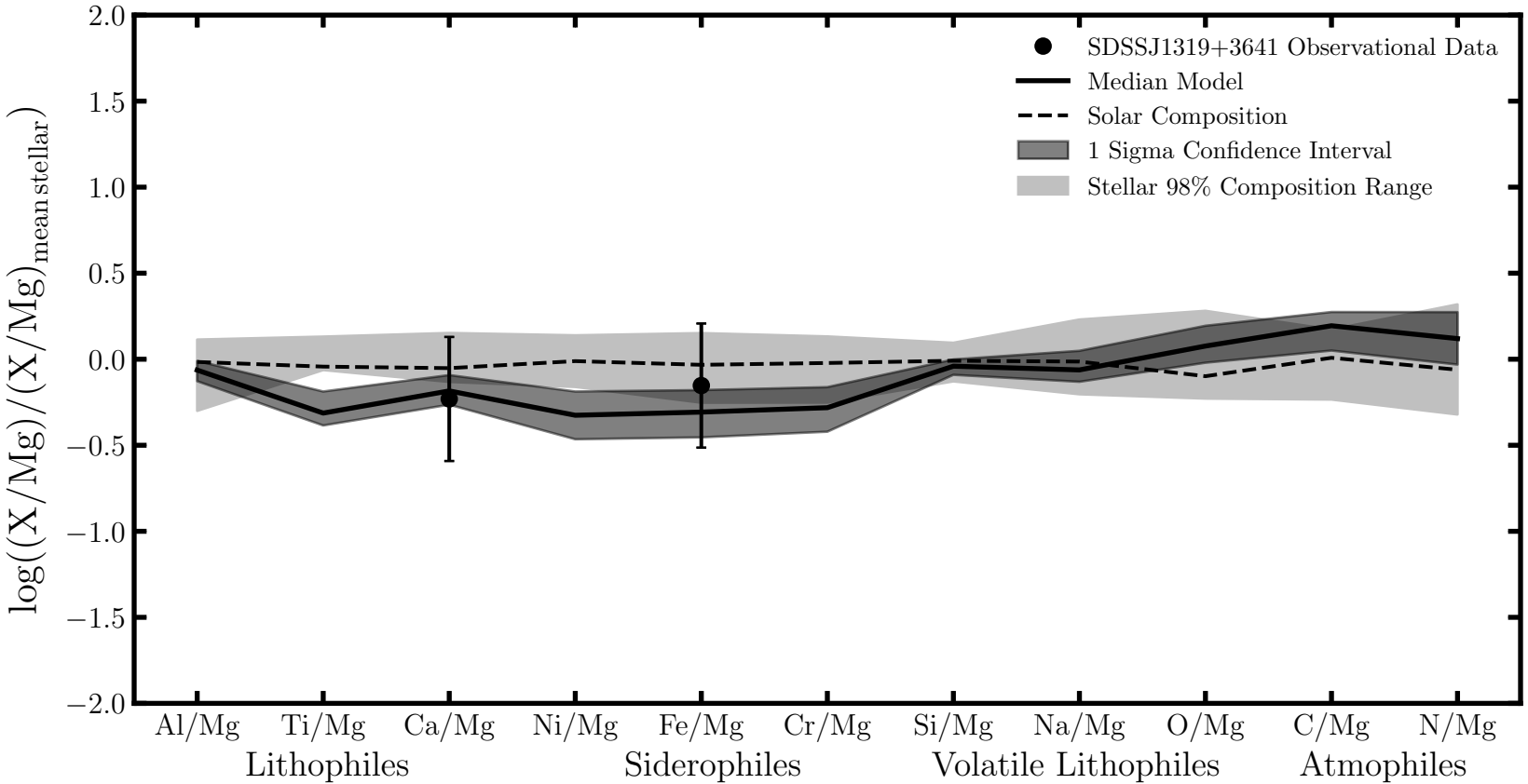

SDSSJ1303+4055 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

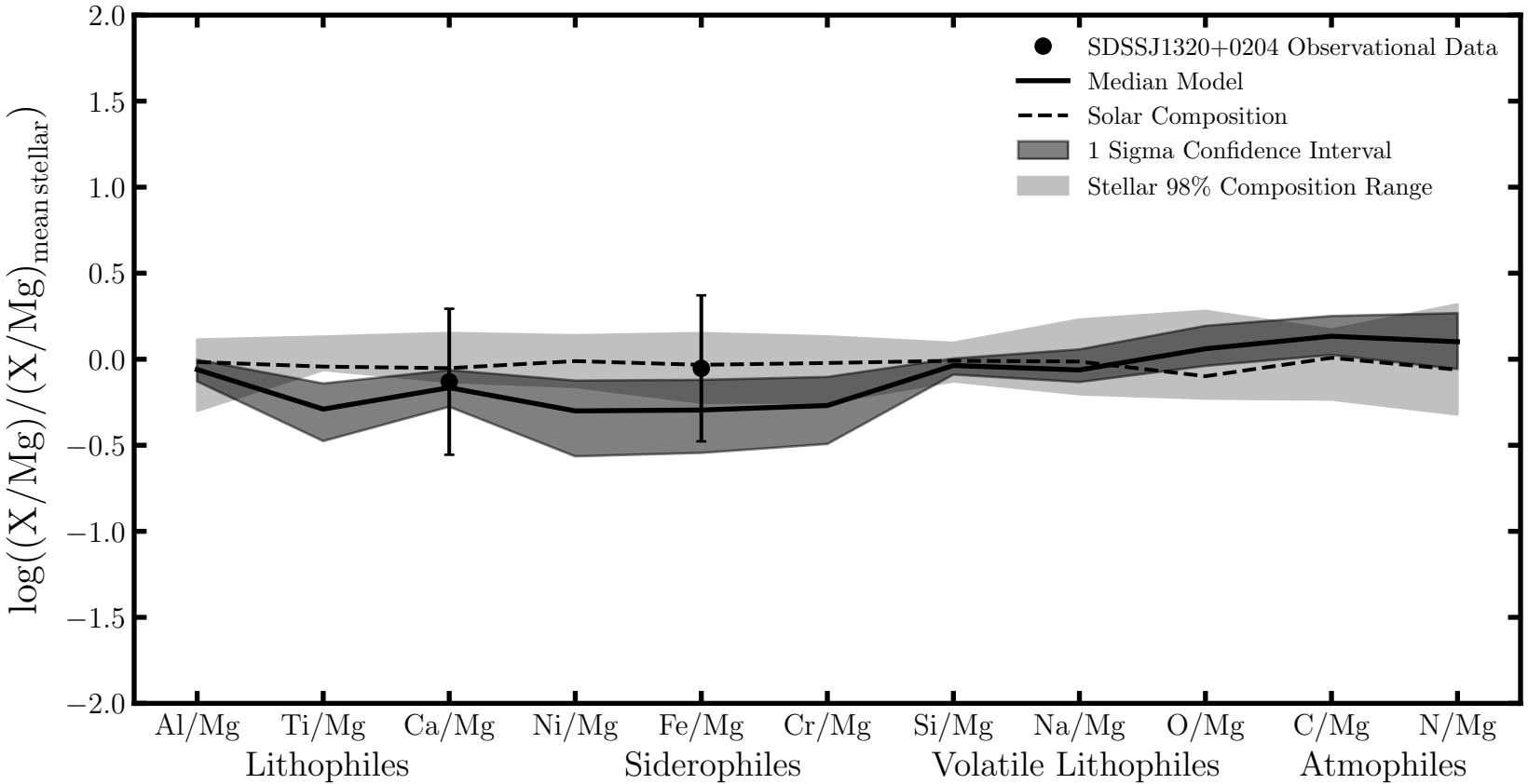

SDSSJ1308+0258 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

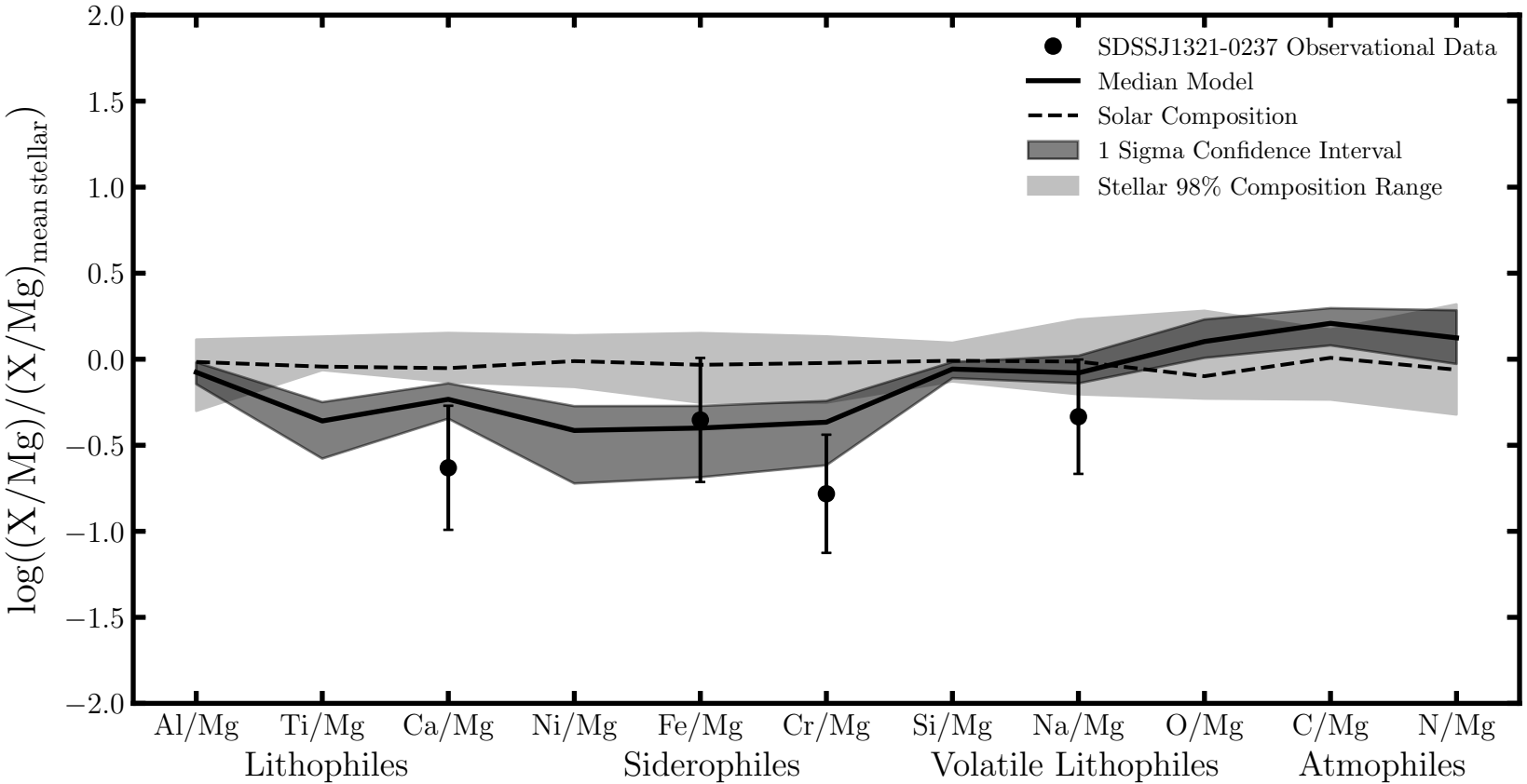

SDSSJ1308+0957 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

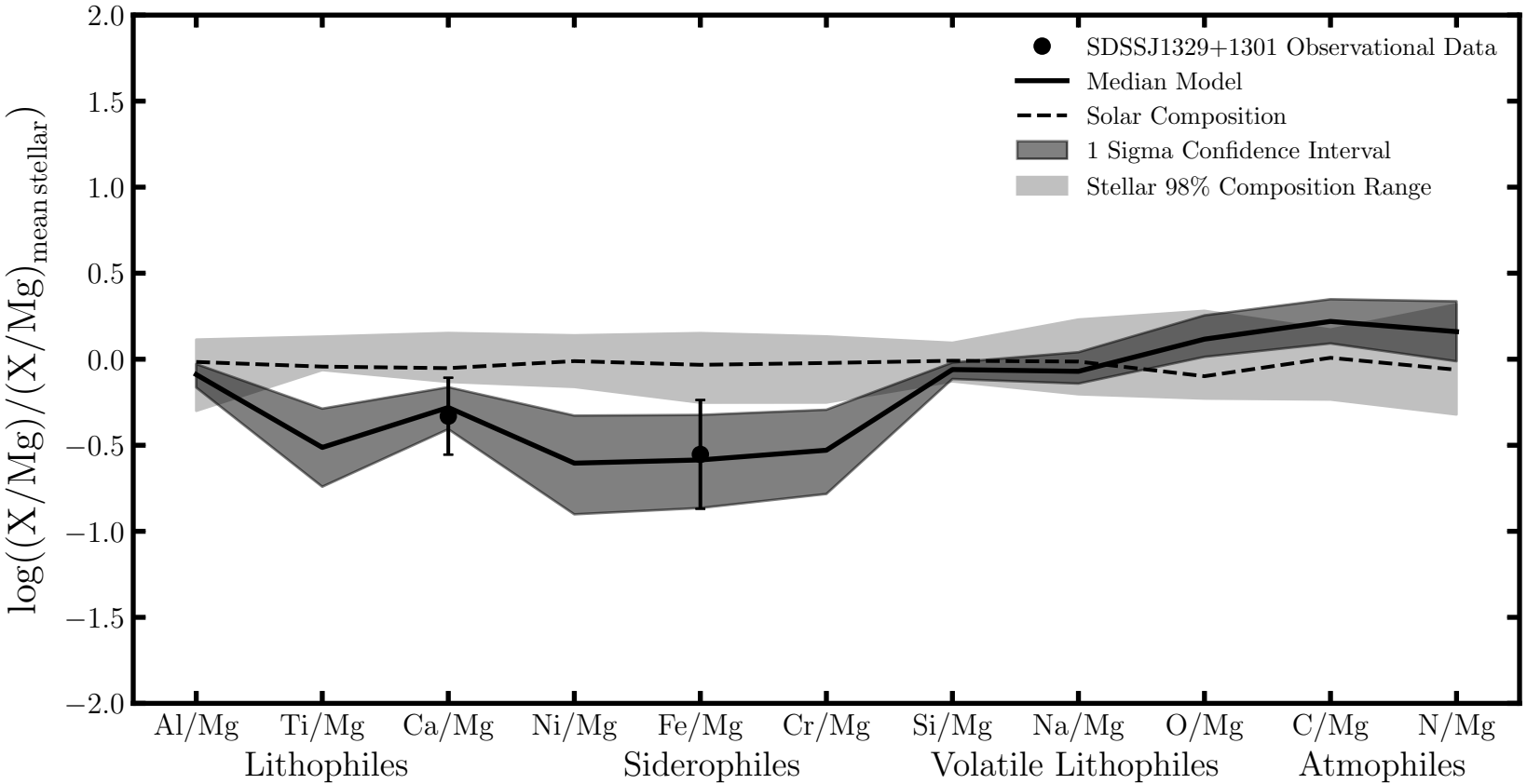

SDSSJ1314+3748 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

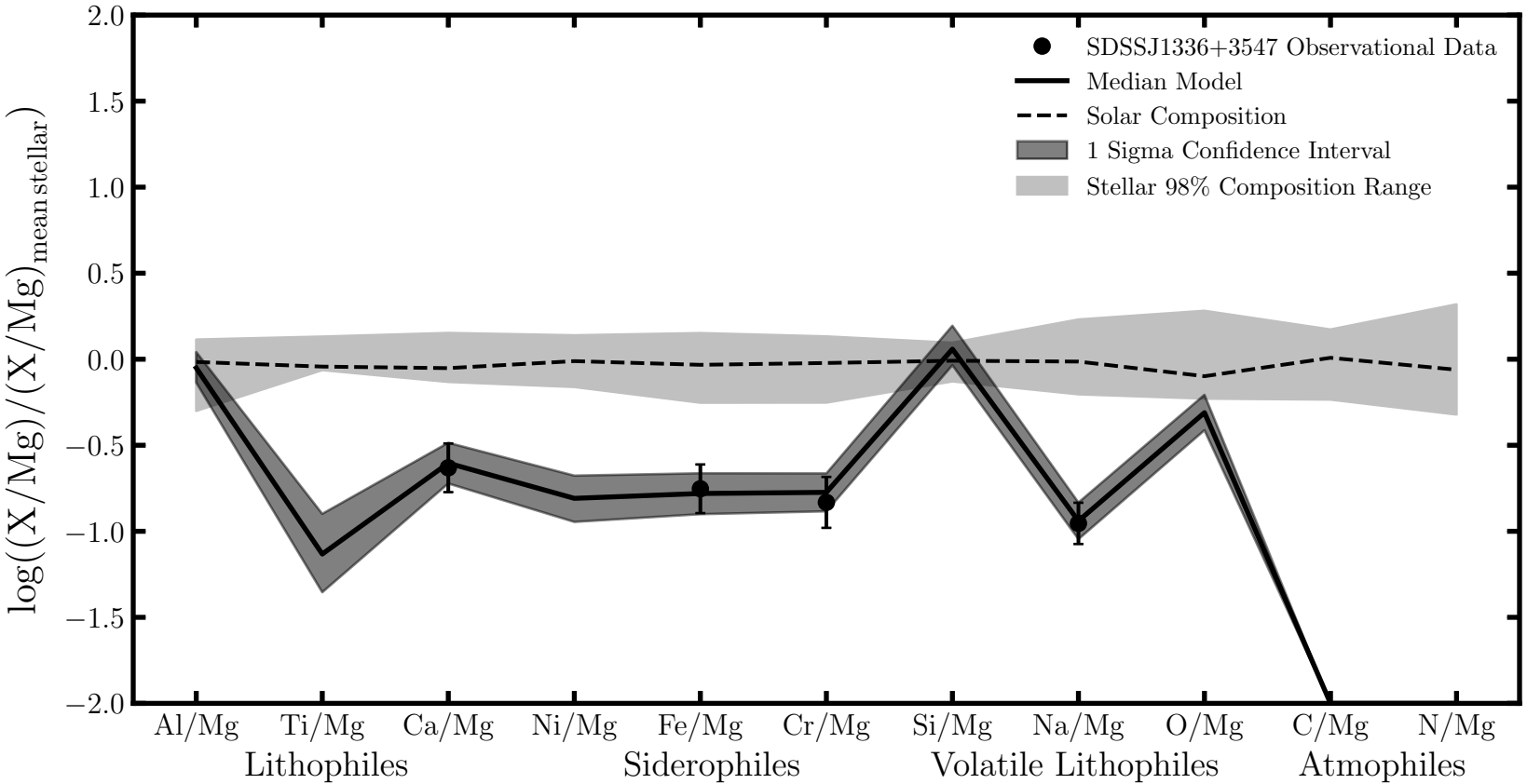

SDSSJ1316+1918 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

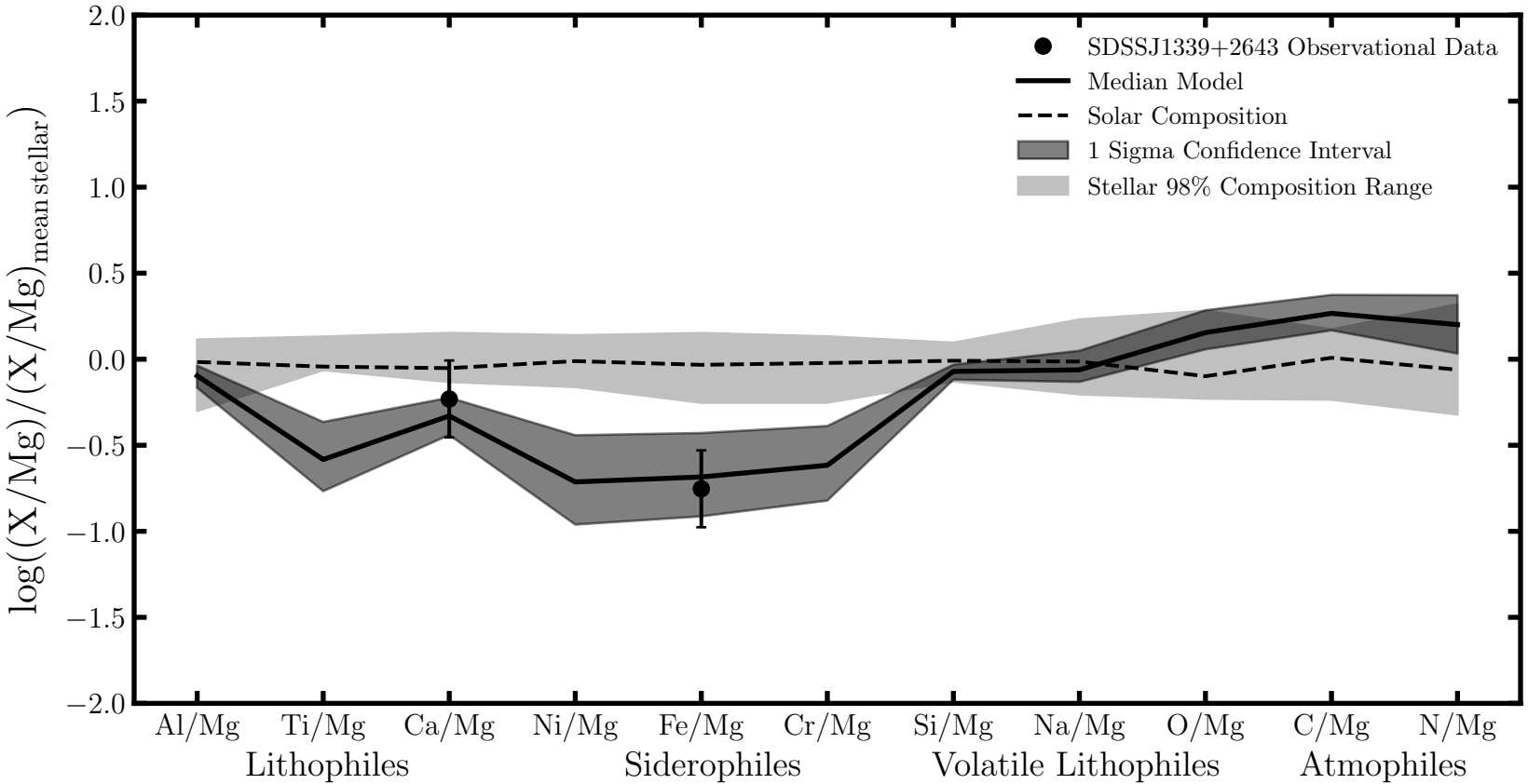

SDSSJ1319+3641 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

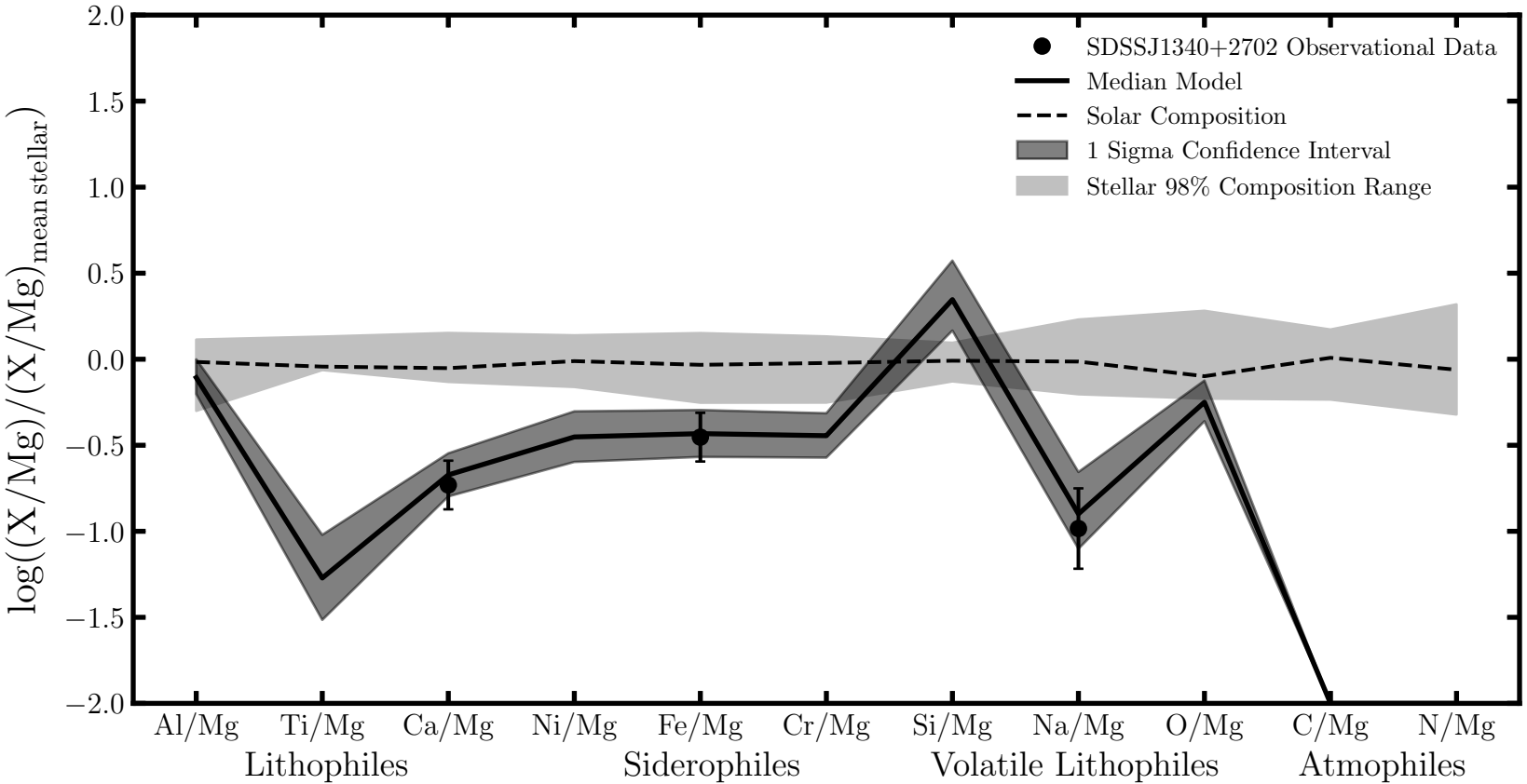

SDSSJ1320+0204 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

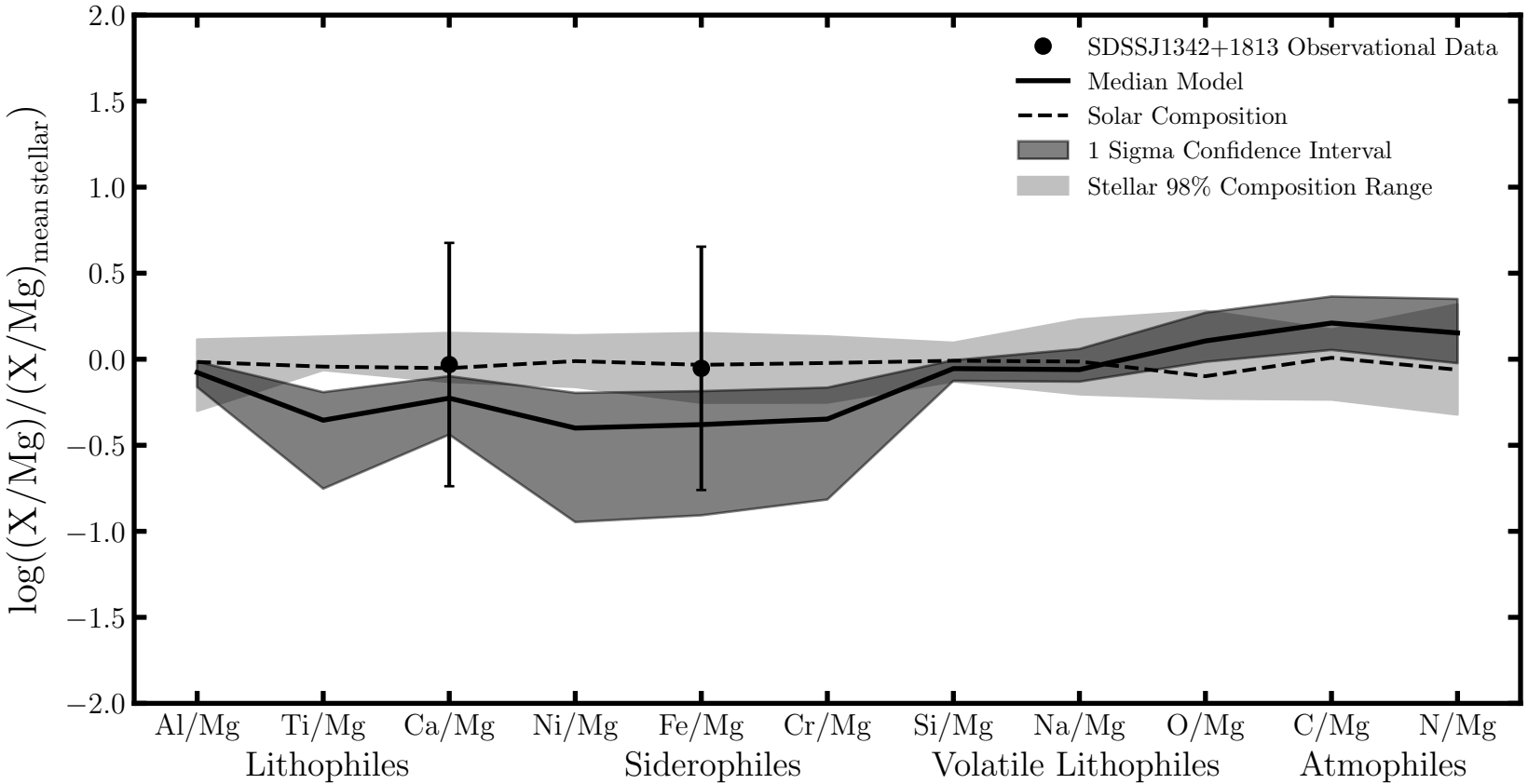

SDSSJ1321-0237 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

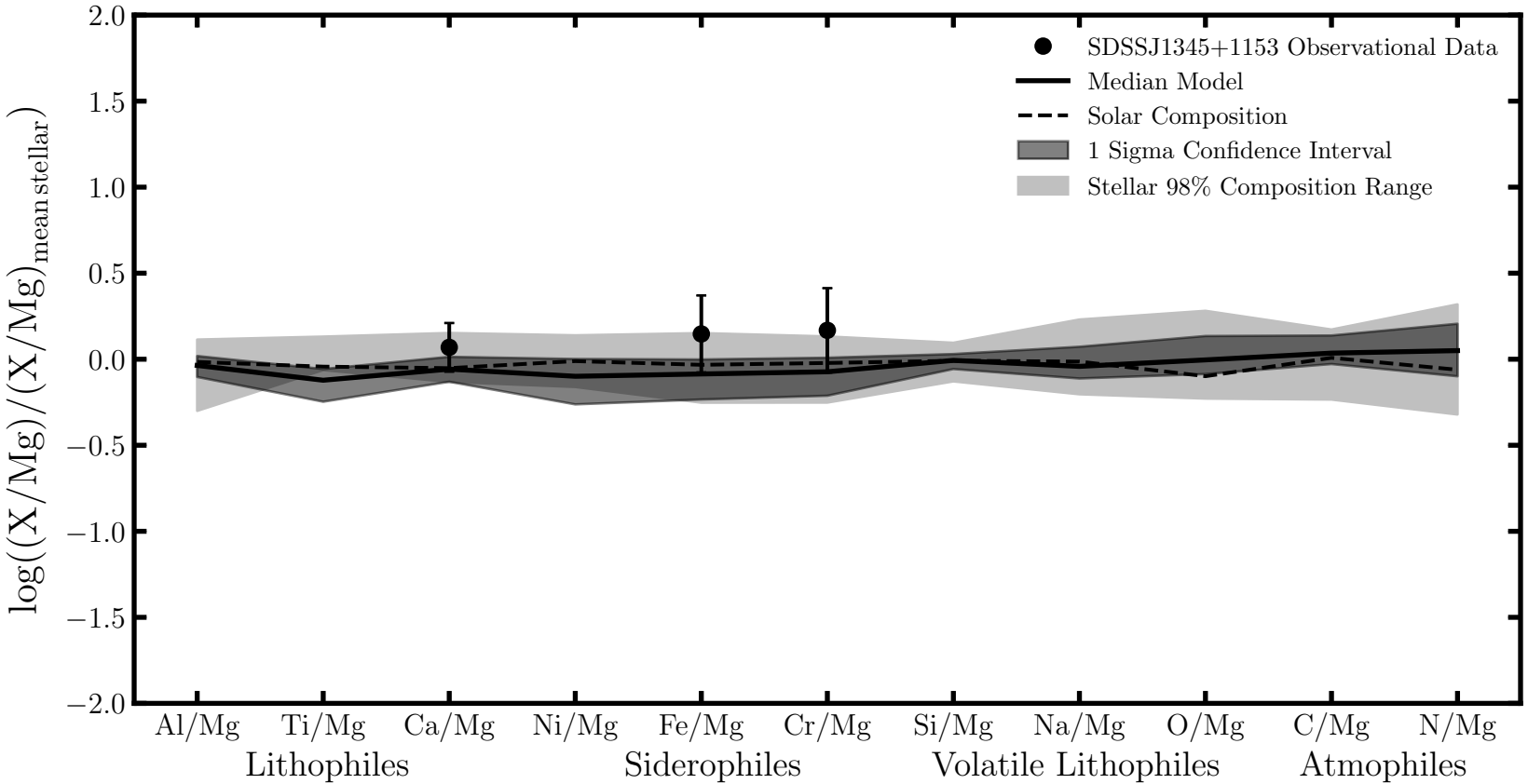

SDSSJ1329+1301 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

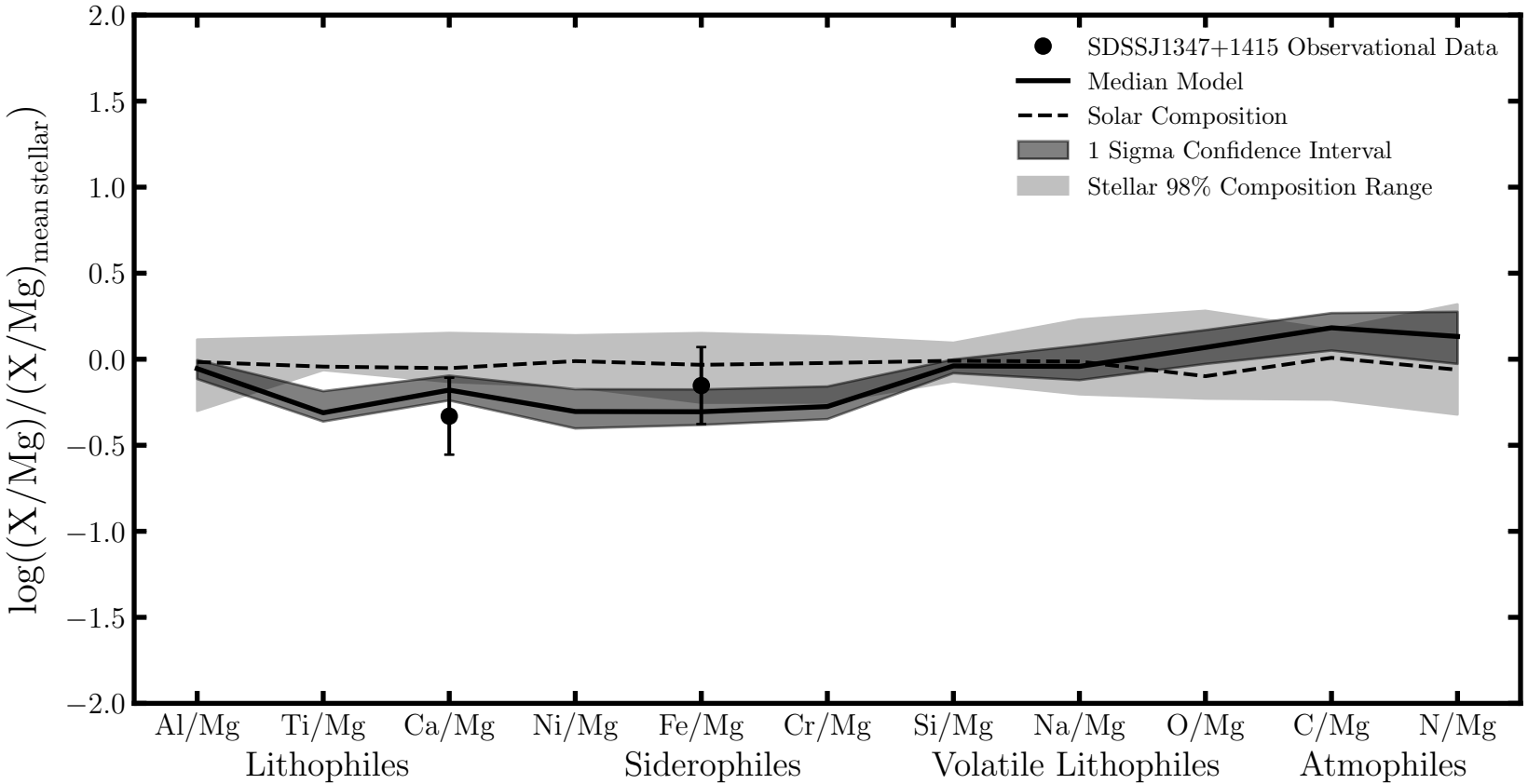

SDSSJ1336+3547 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

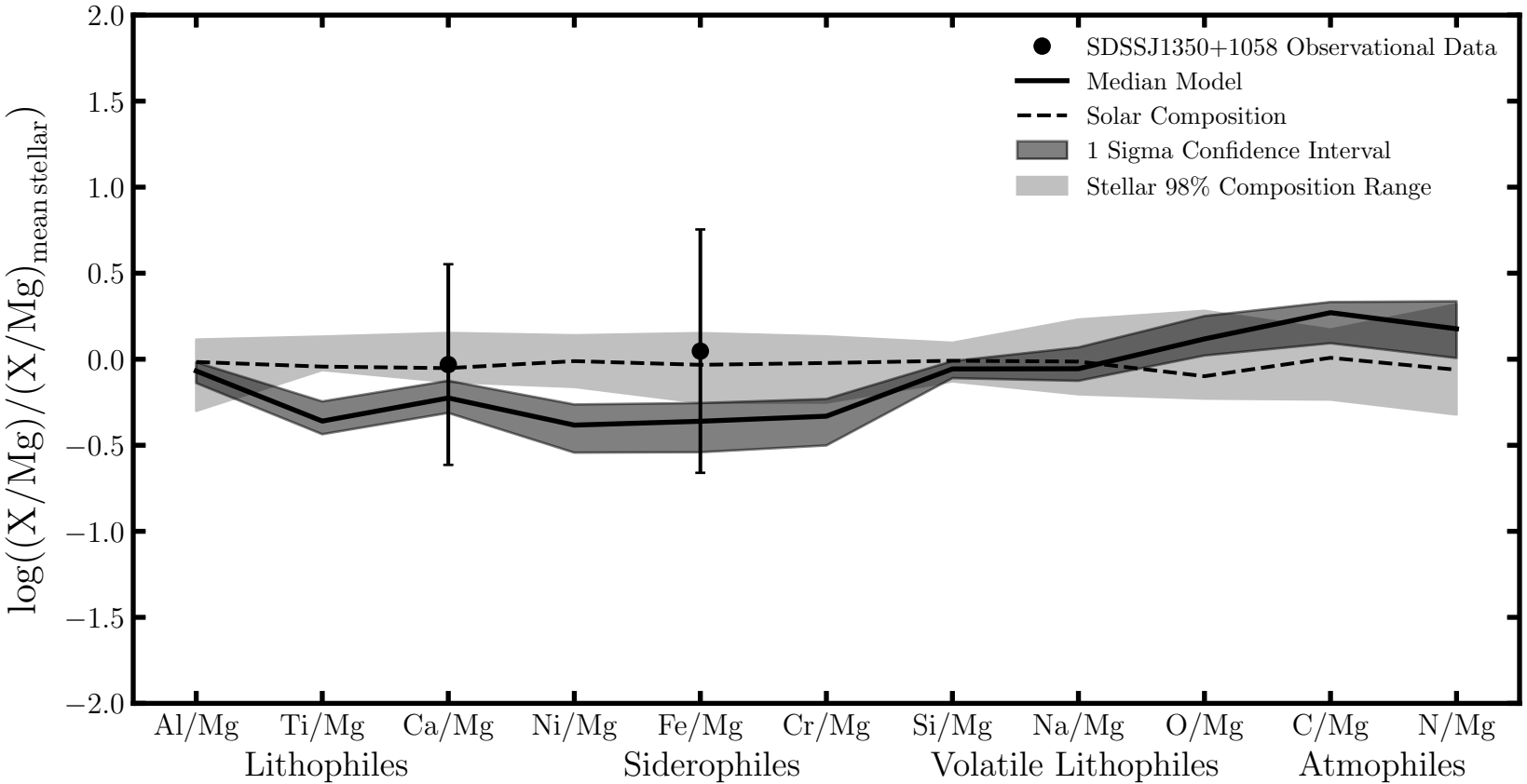

SDSSJ1339+2643 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

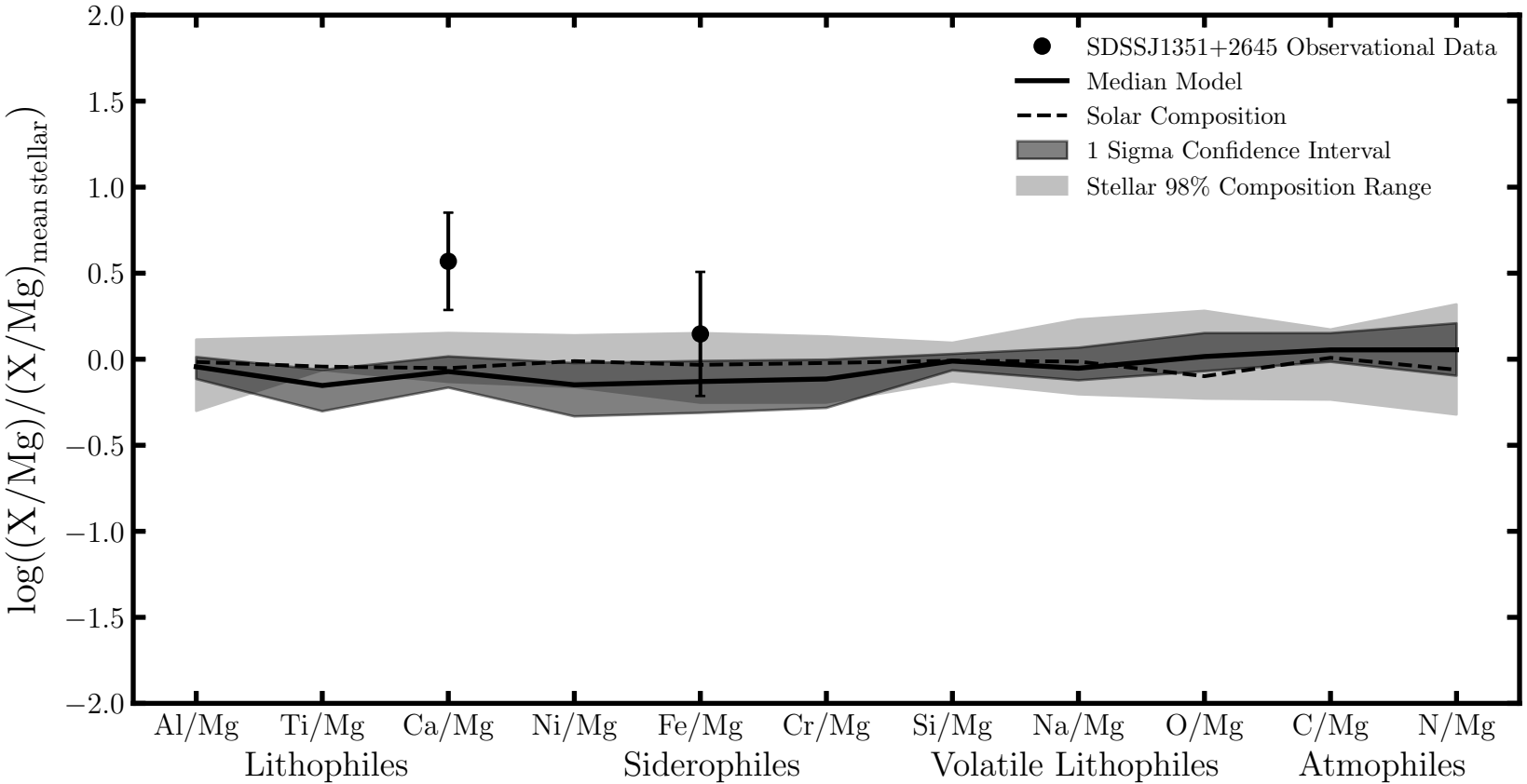

SDSSJ1340+2702 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

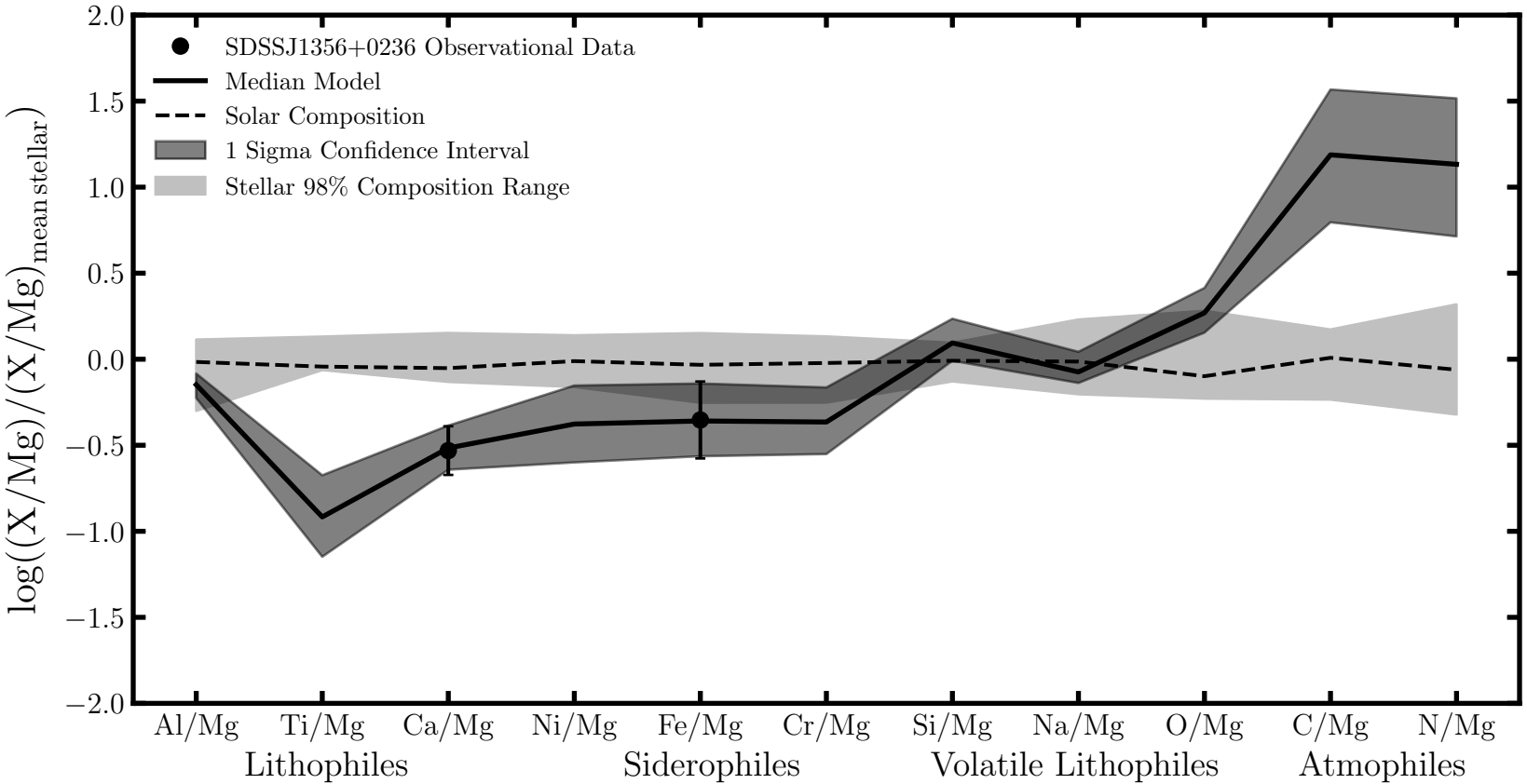

SDSSJ1342+1813 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

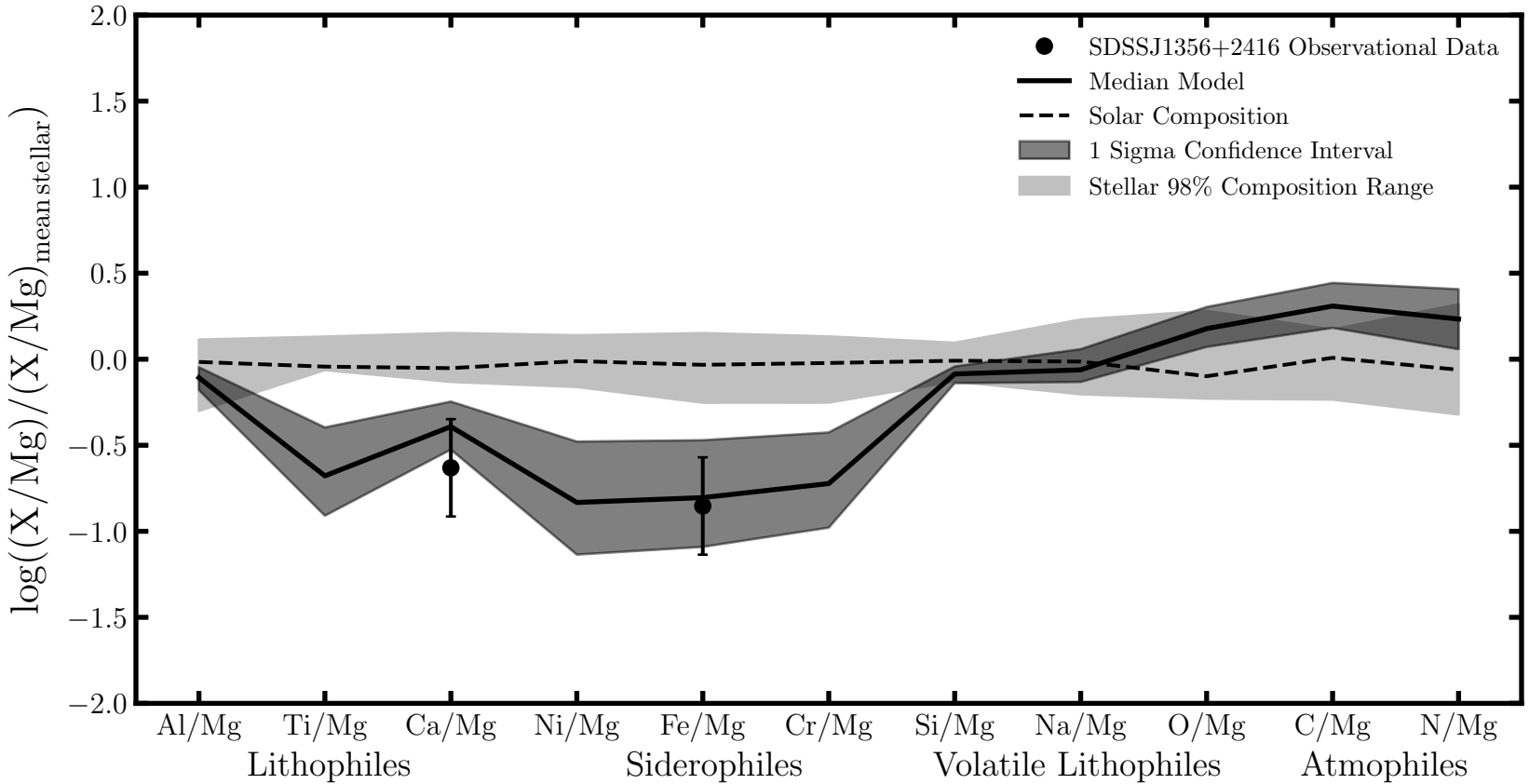

SDSSJ1345+1153 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

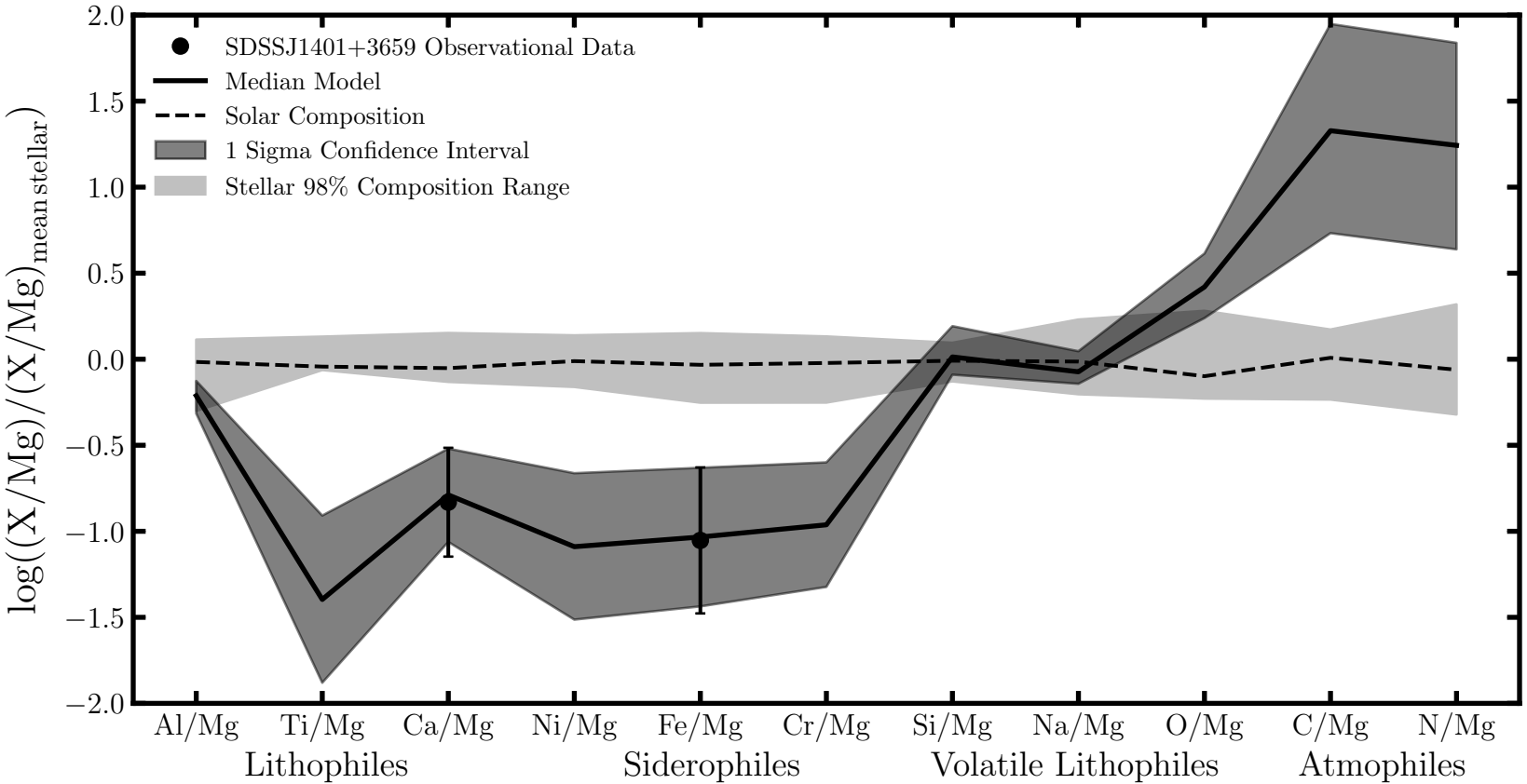

SDSSJ1347+1415 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

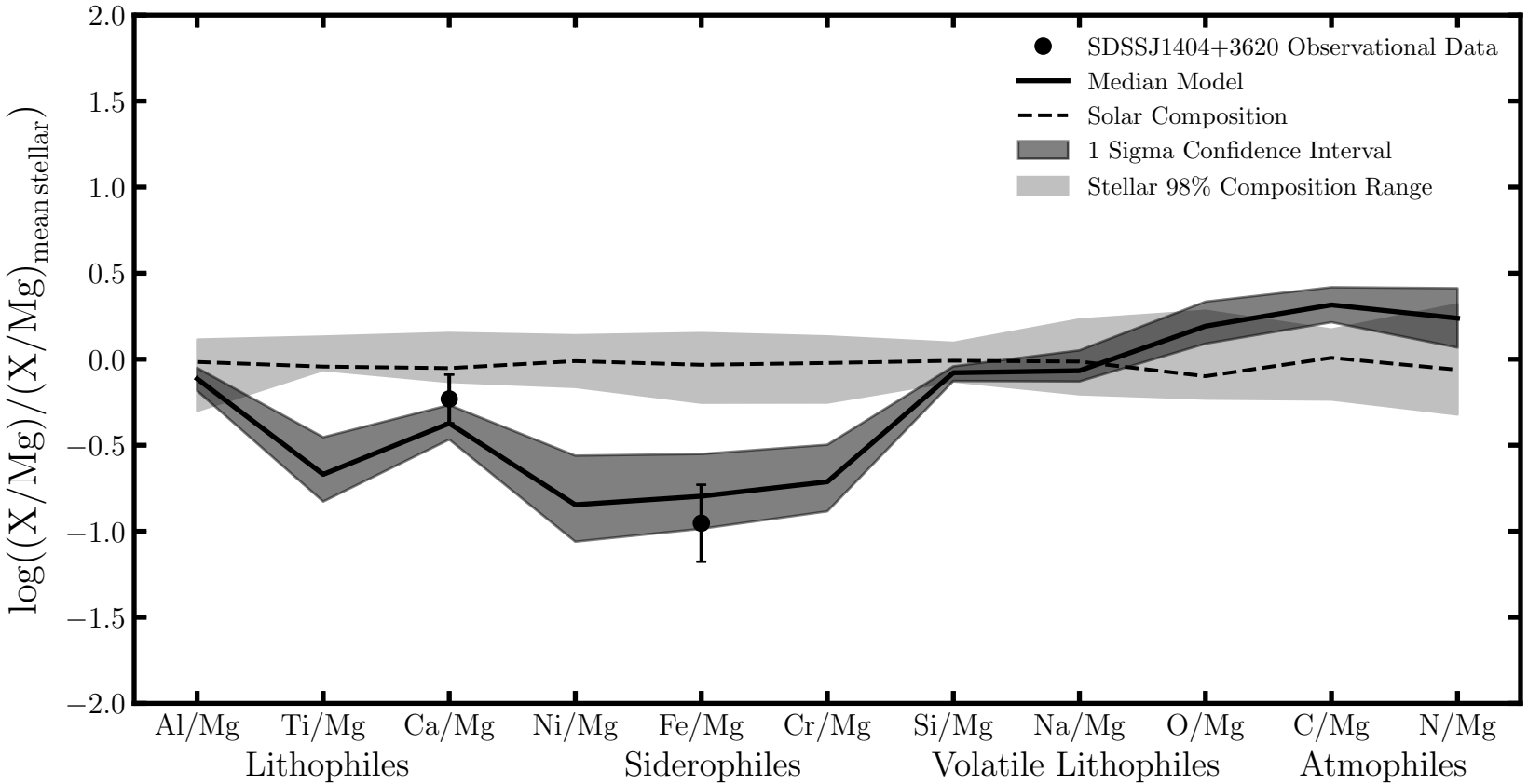

SDSSJ1350+1058 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

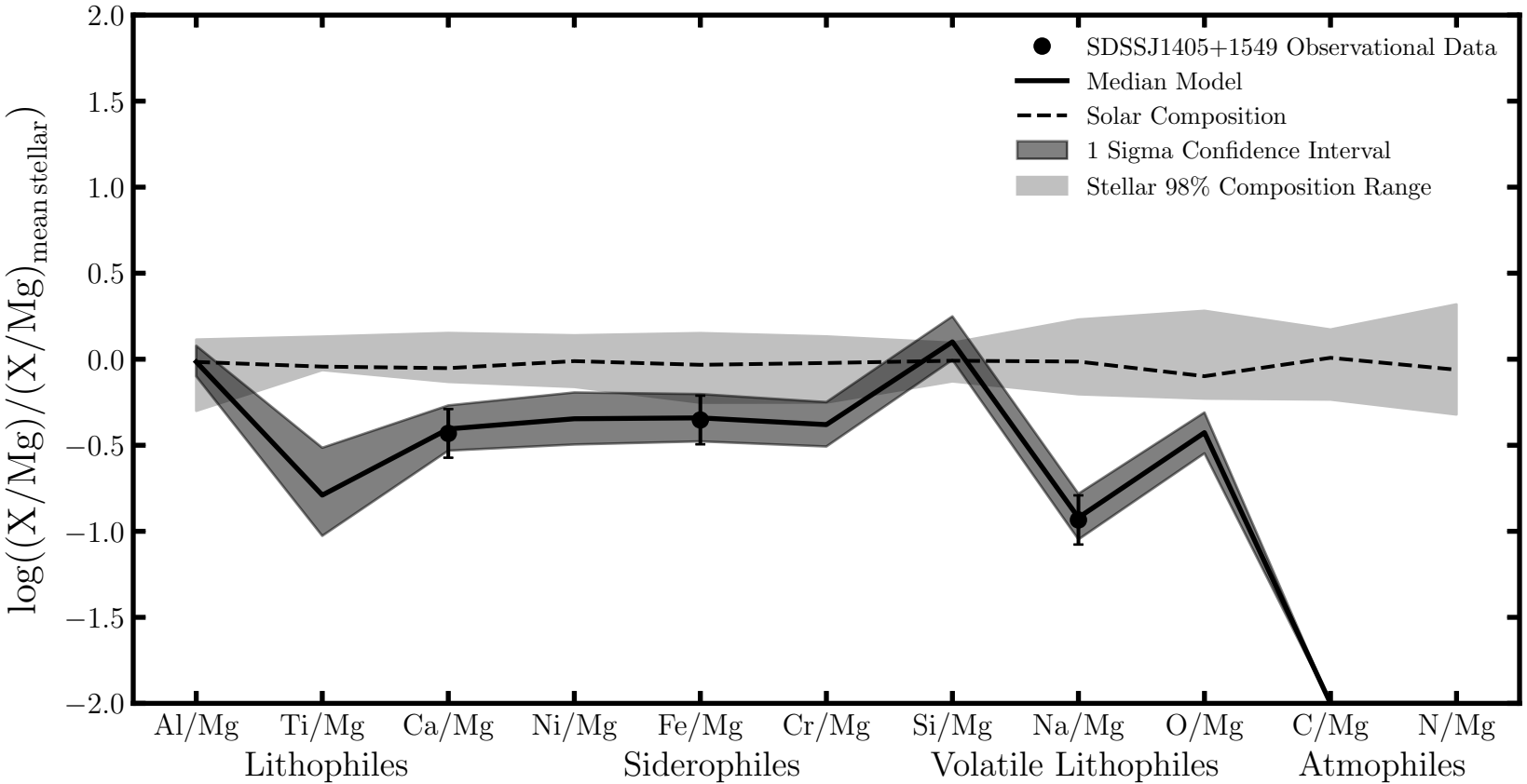

SDSSJ1351+2645 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

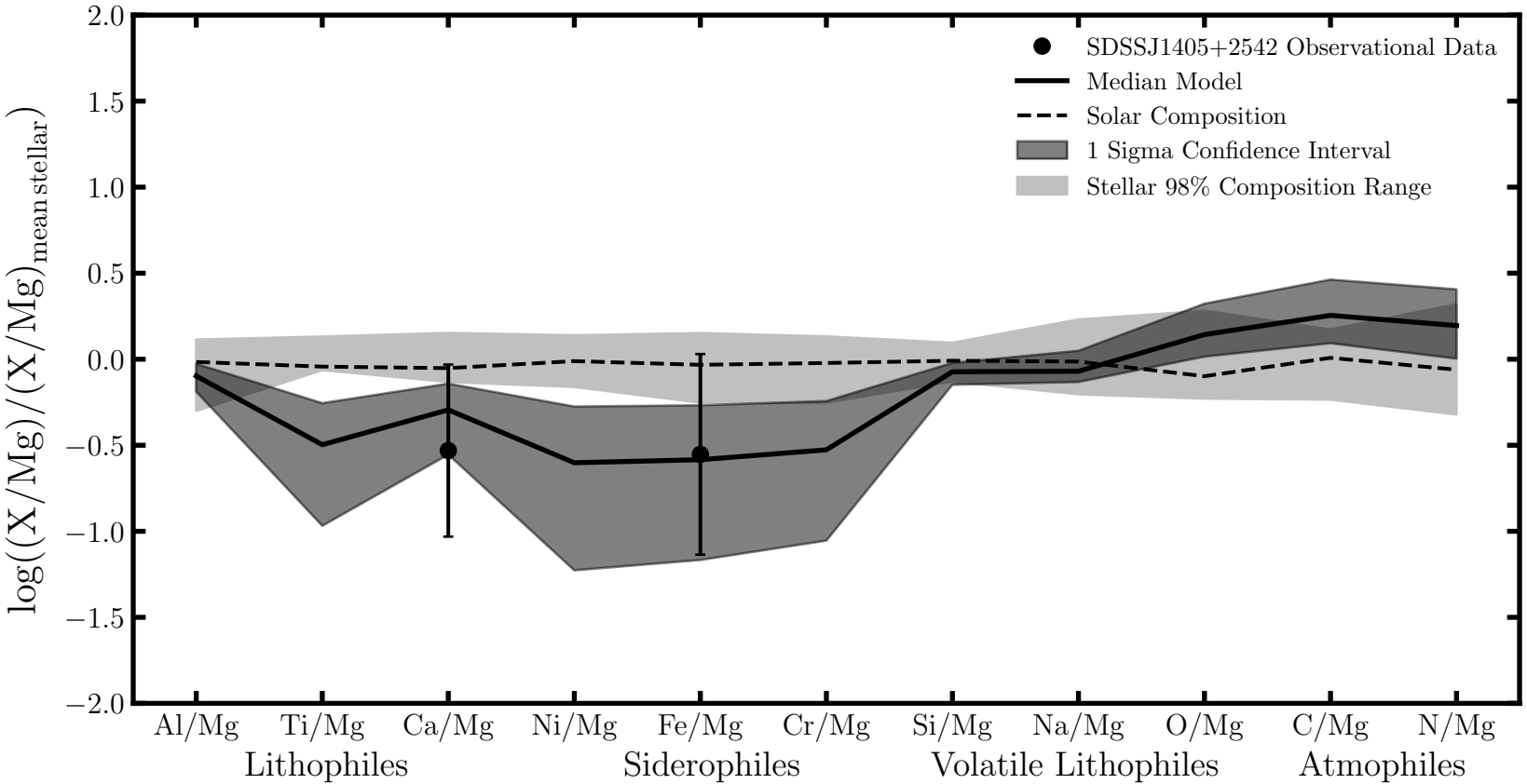

SDSSJ1356+0236 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

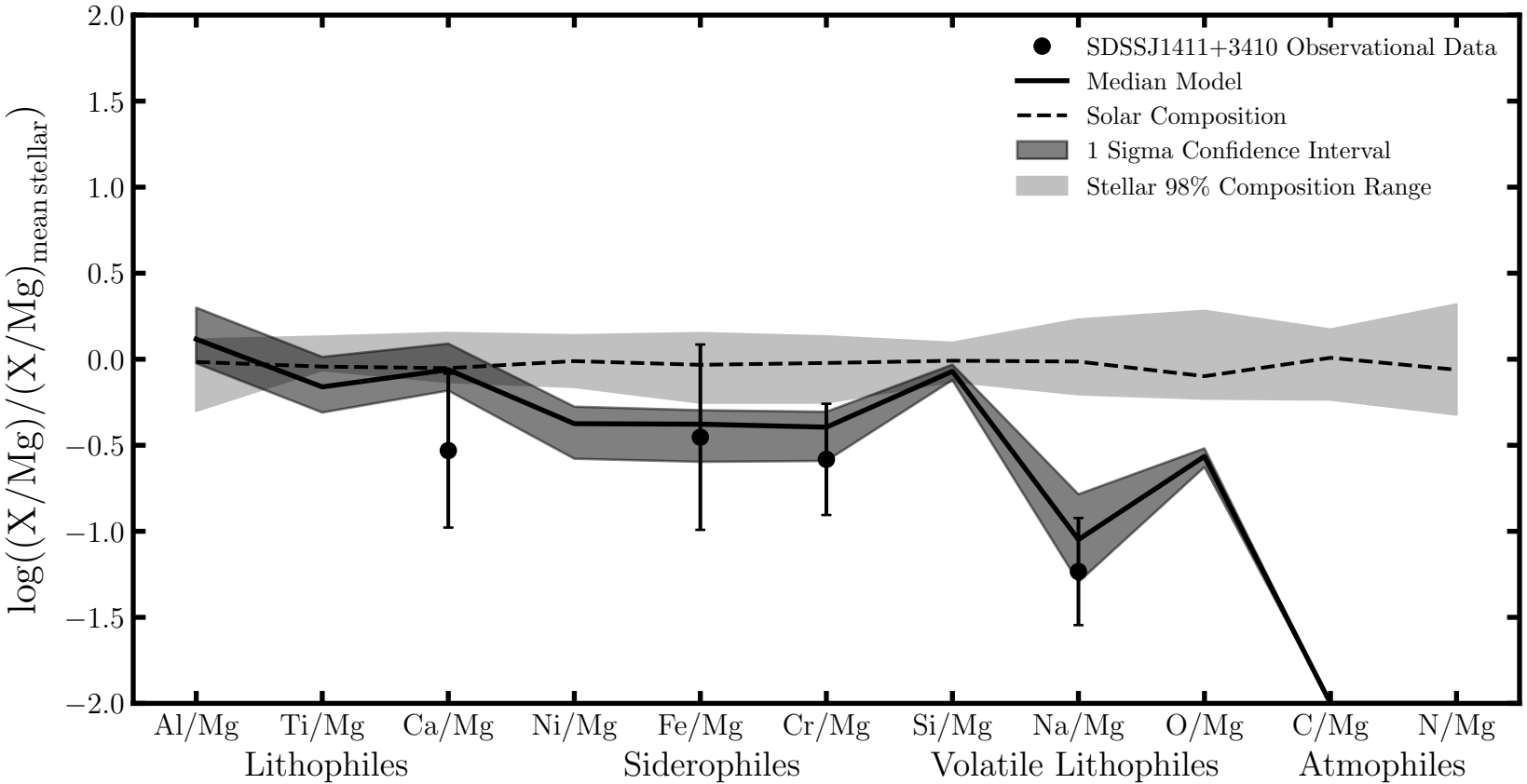

SDSSJ1356+2416 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

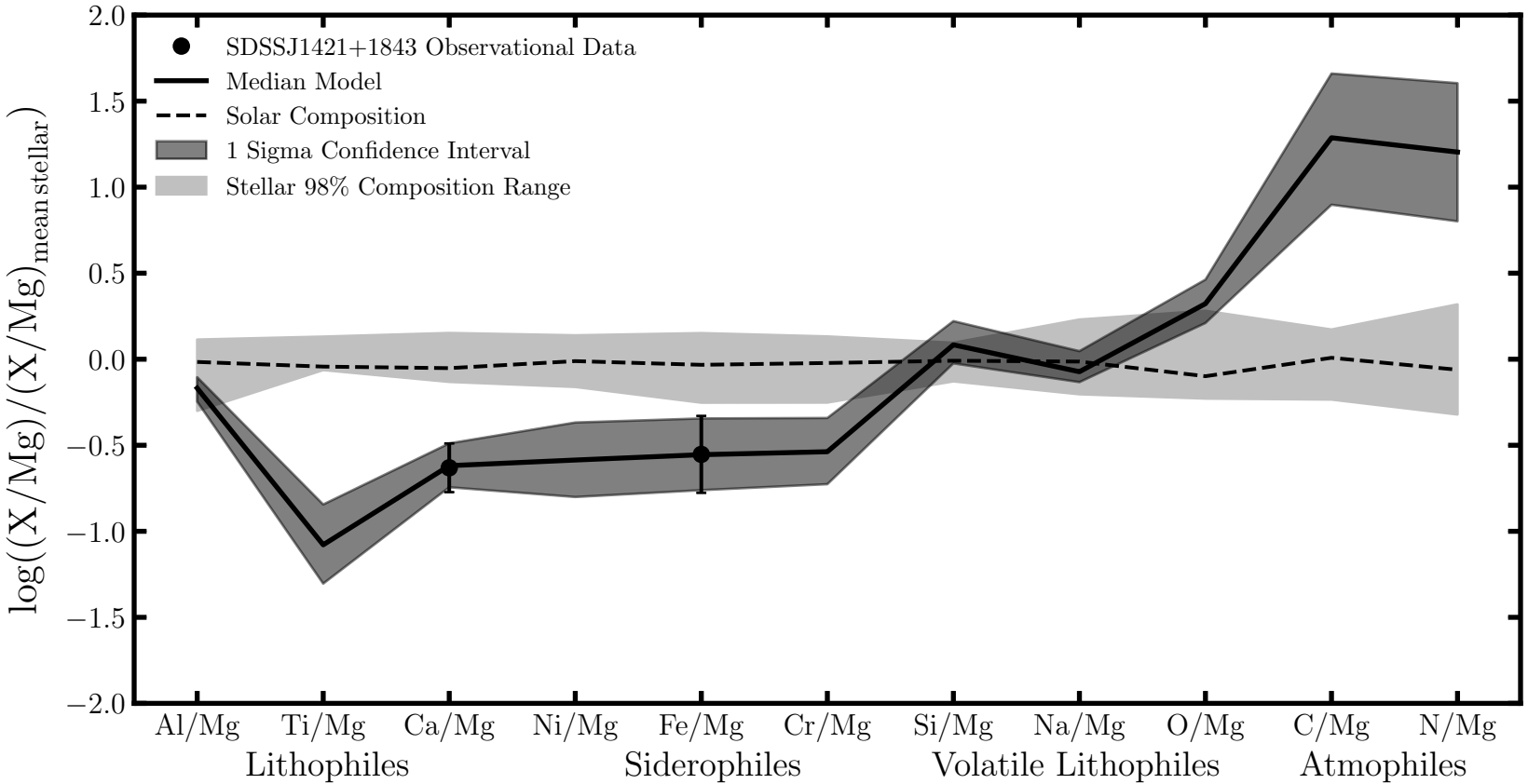

SDSSJ1401+3659 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

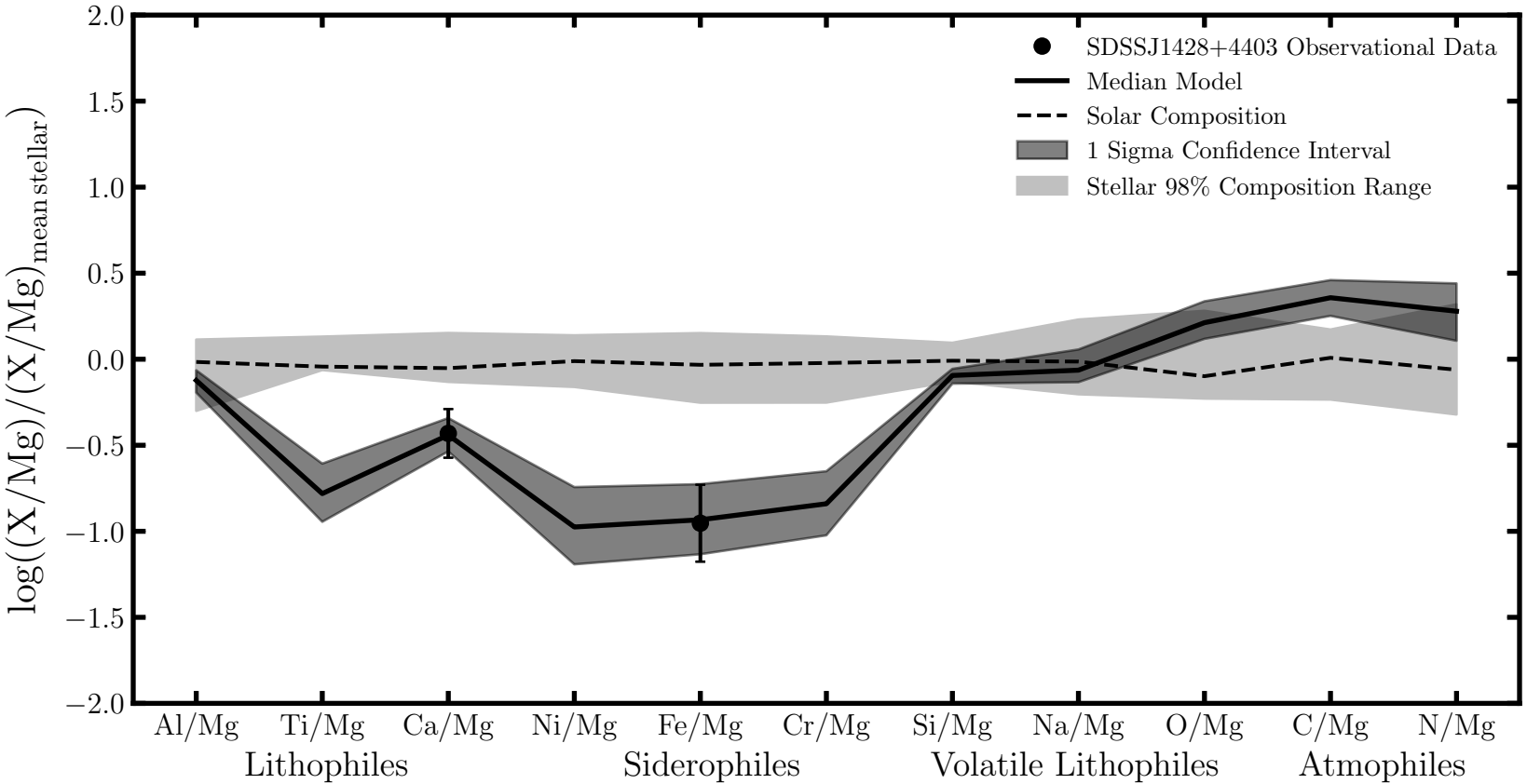

SDSSJ1404+3620 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

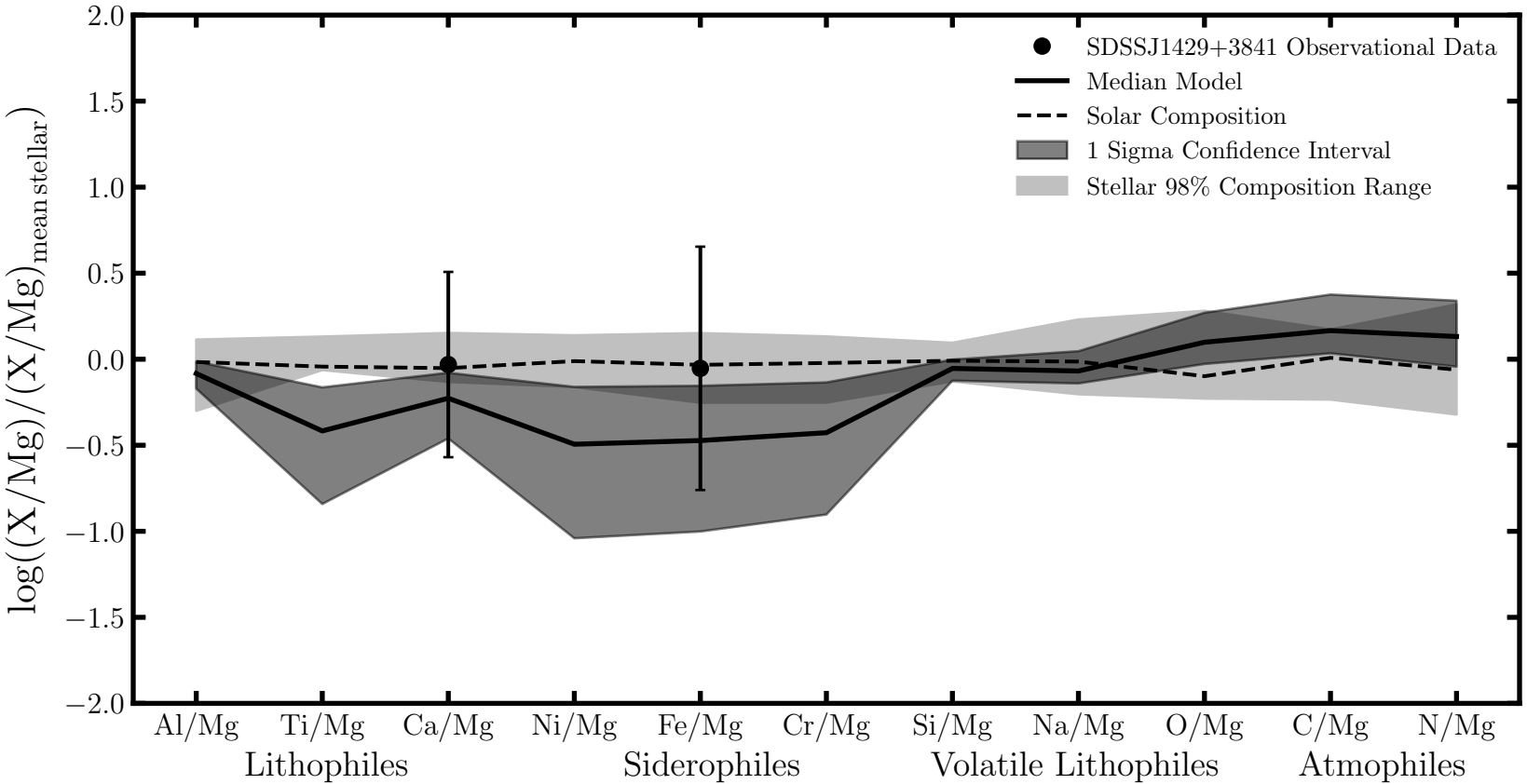

SDSSJ1405+1549 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

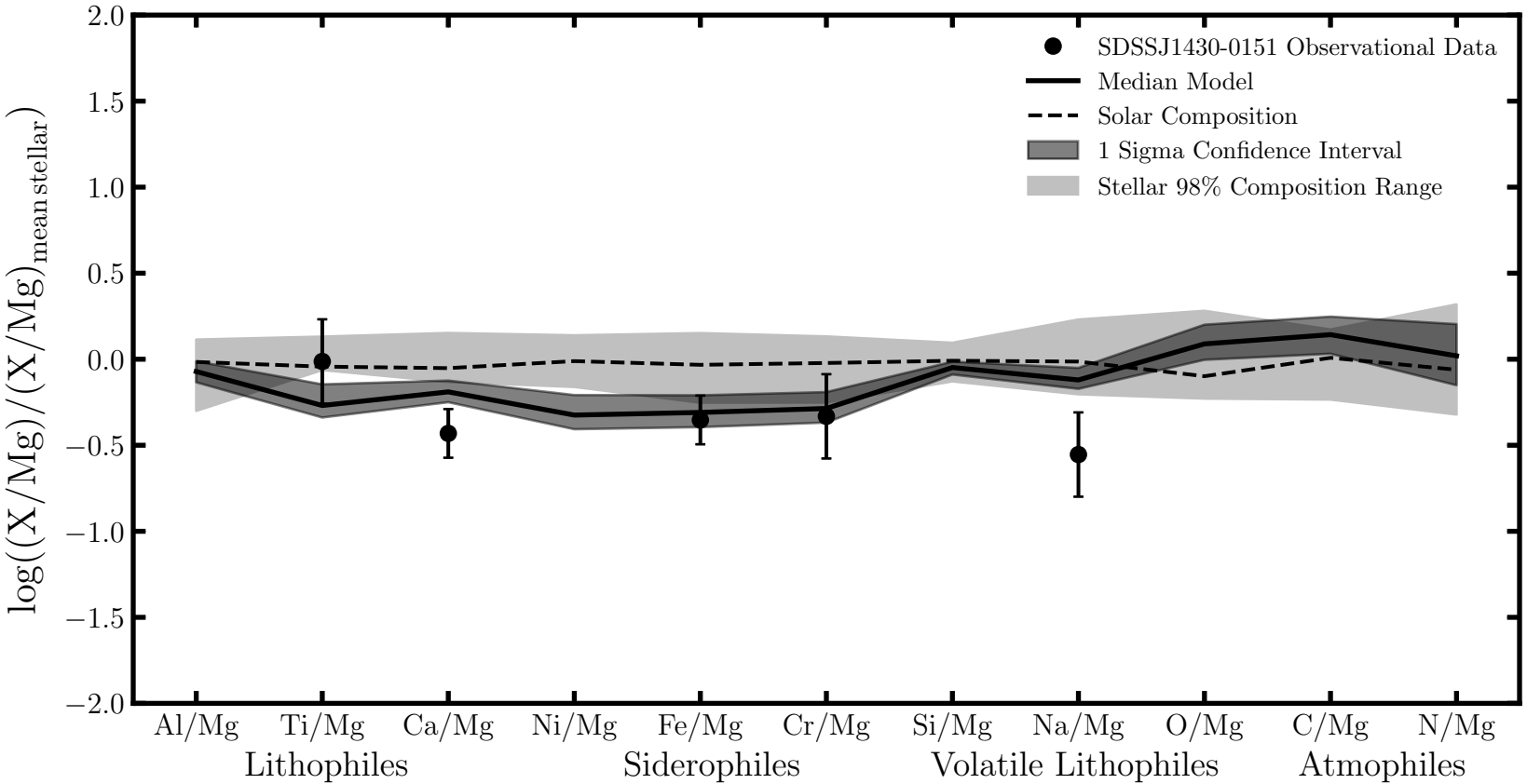

SDSSJ1405+2542 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

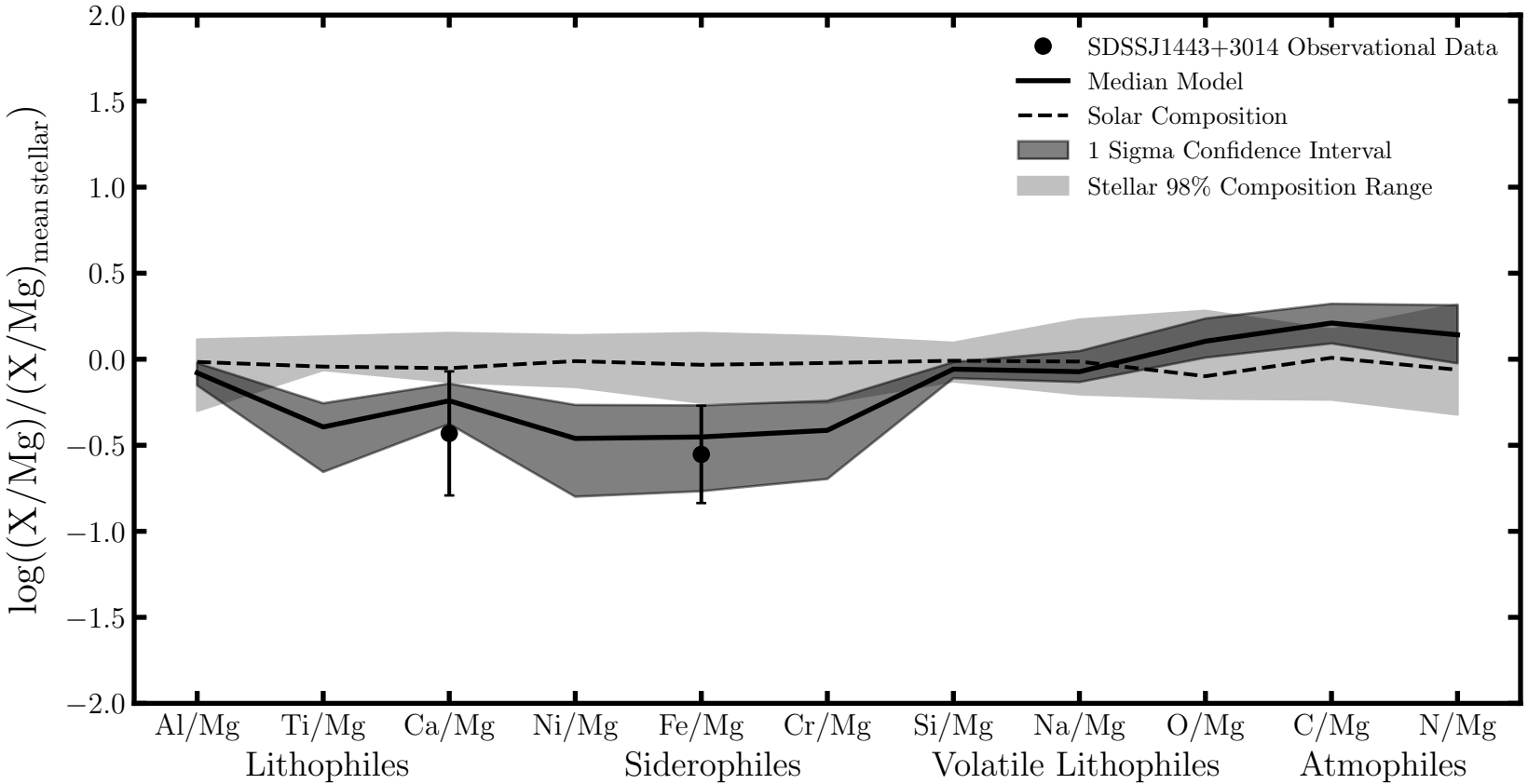

SDSSJ1411+3410 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

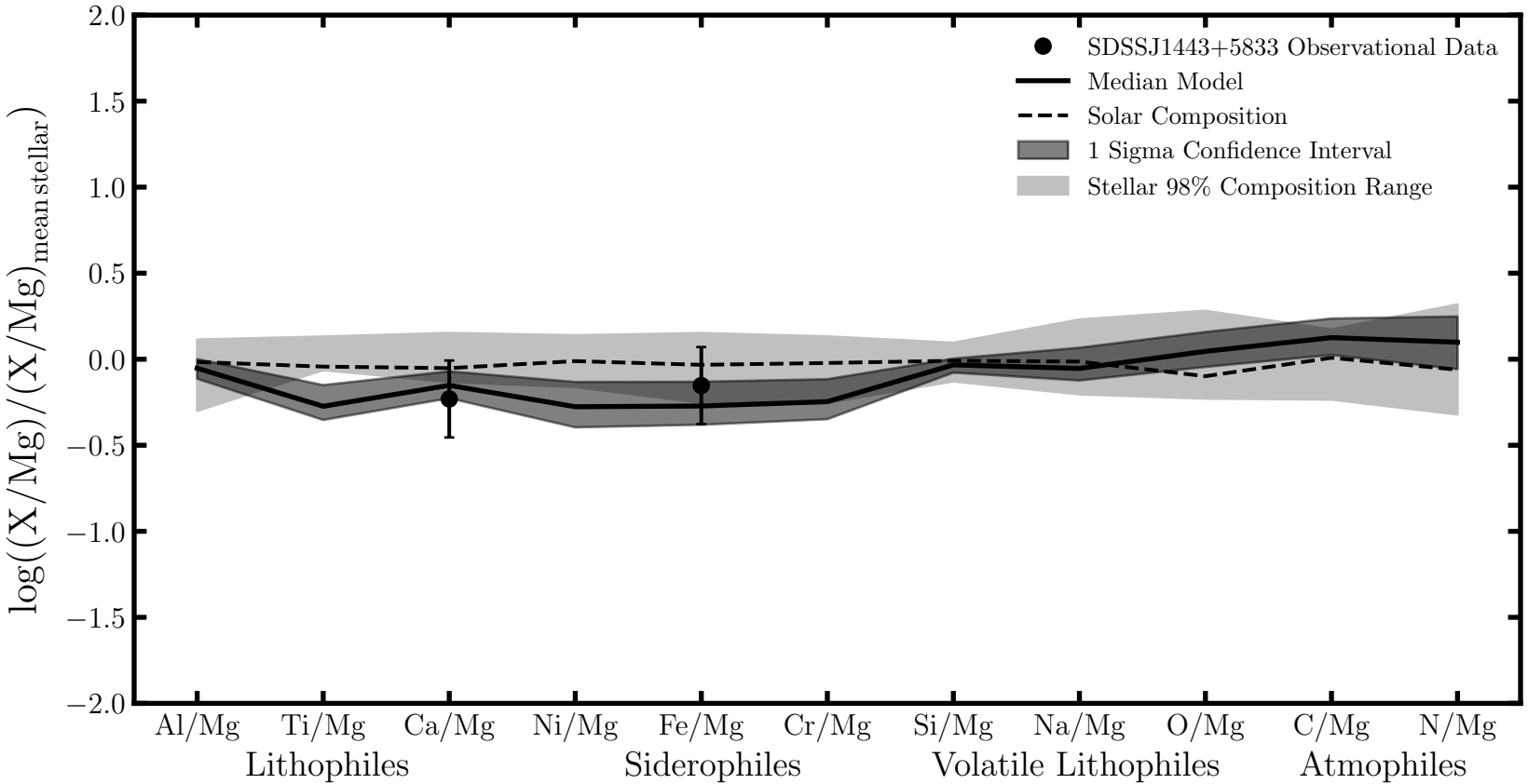

SDSSJ1421+1843 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

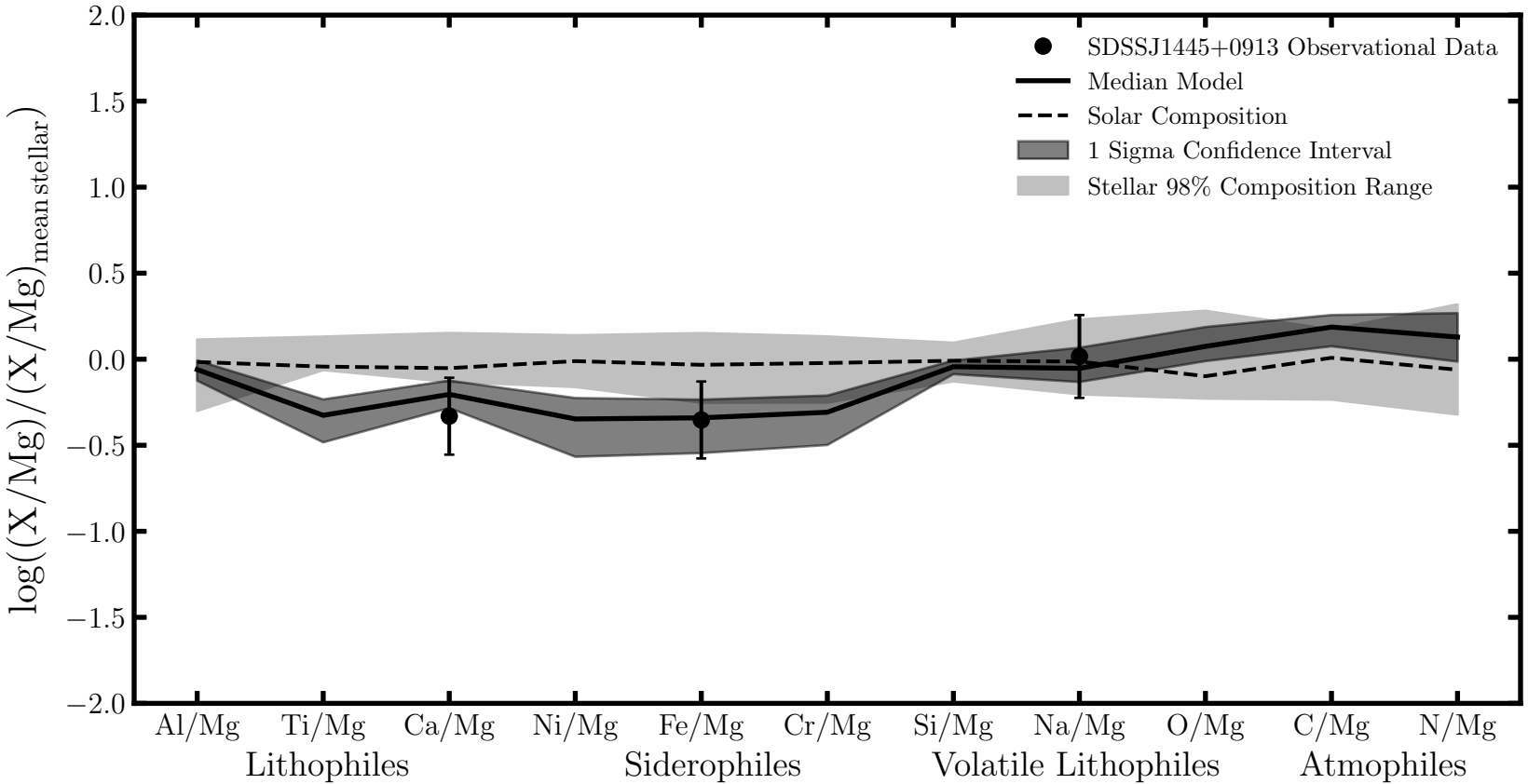

SDSSJ1428+4403 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

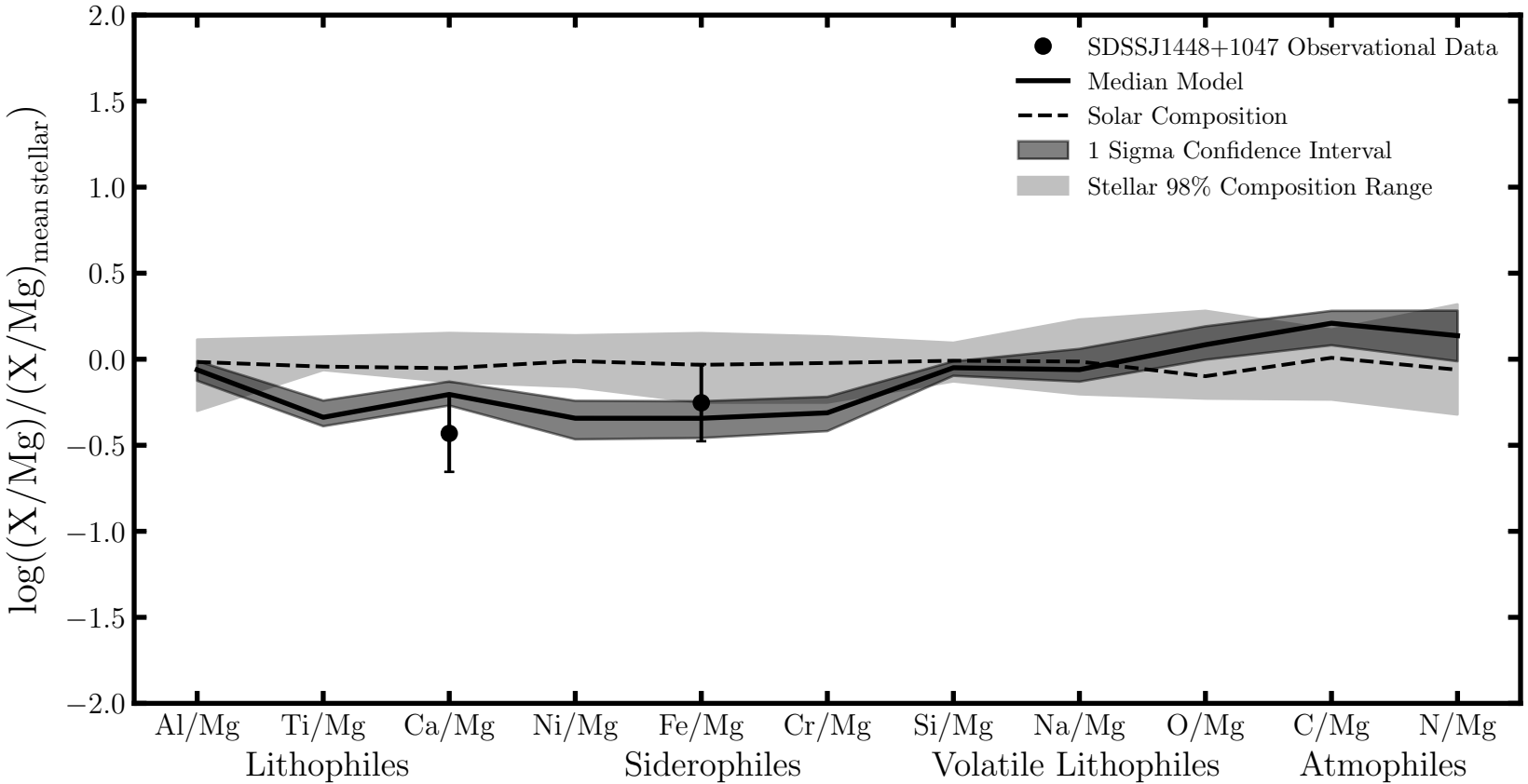

SDSSJ1429+3841 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

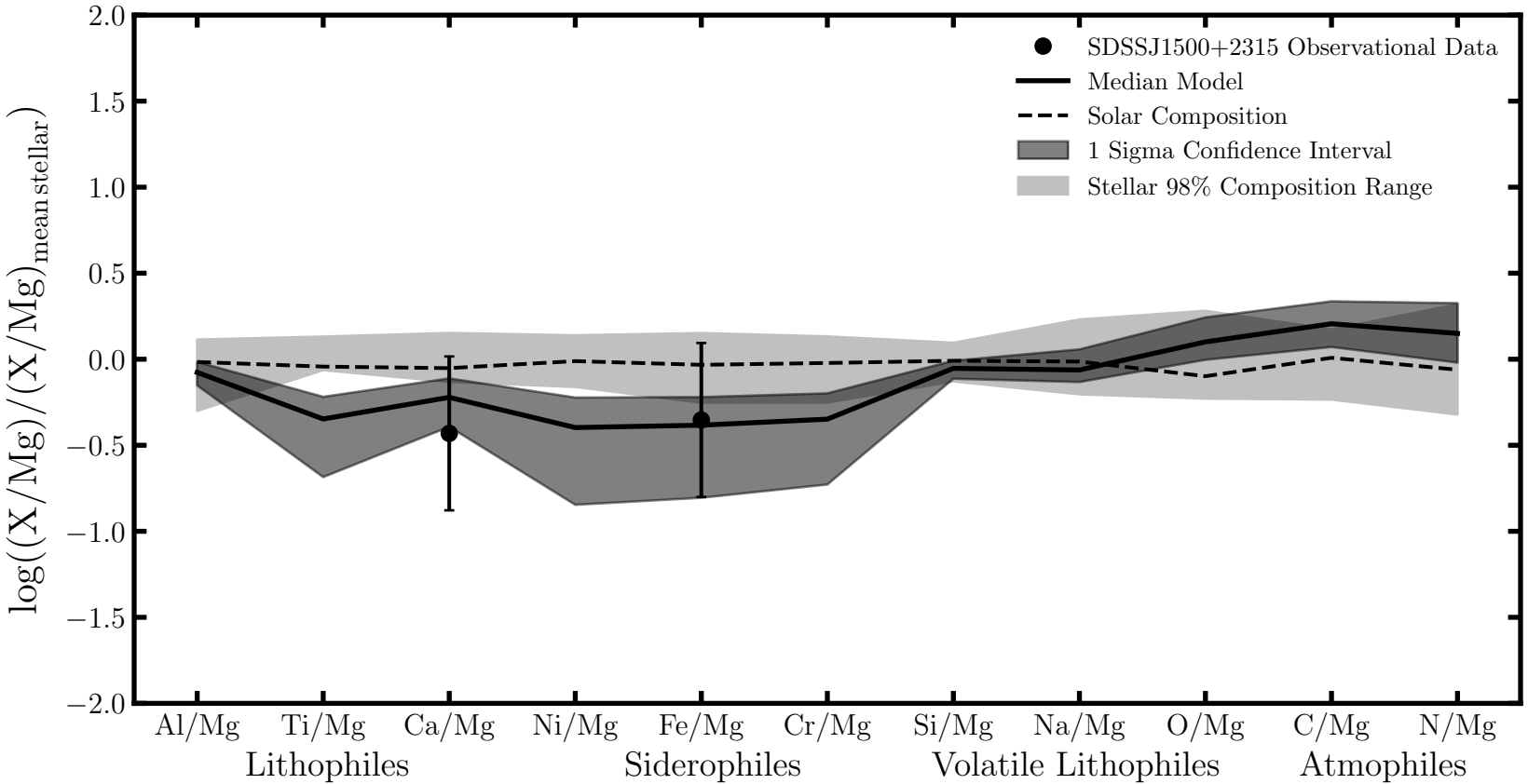

SDSSJ1430-0151 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

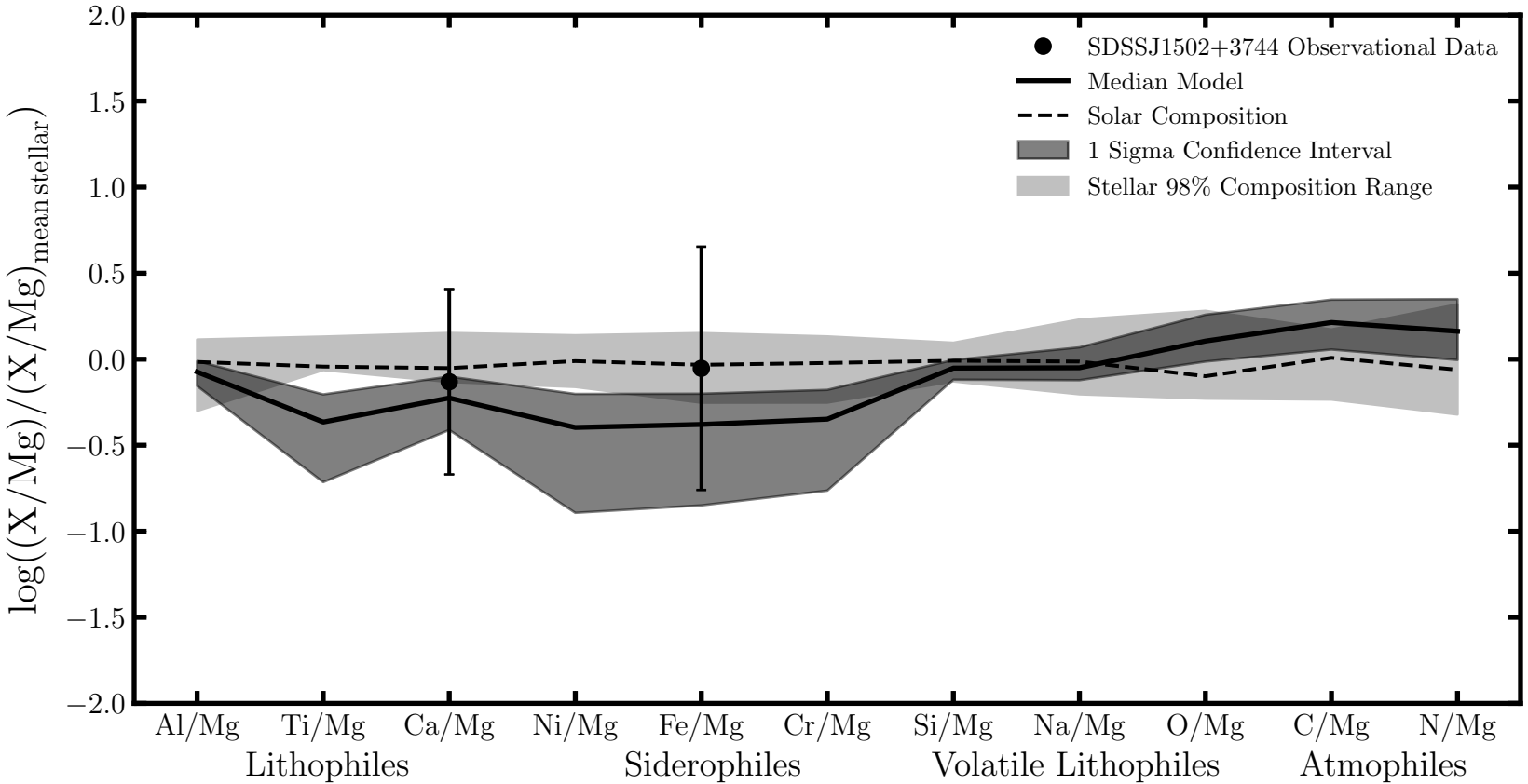

SDSSJ1443+3014 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

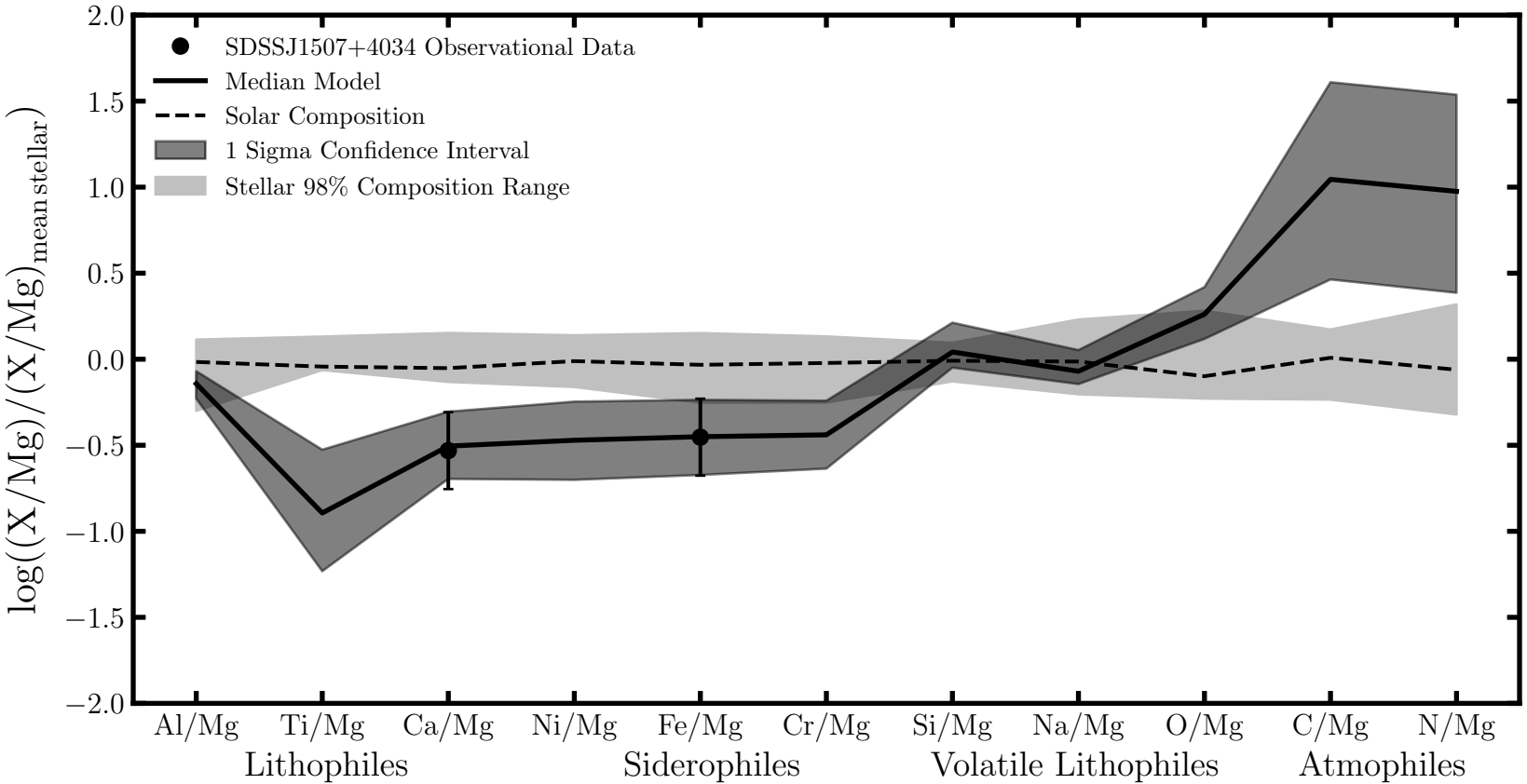

SDSSJ1443+5833 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

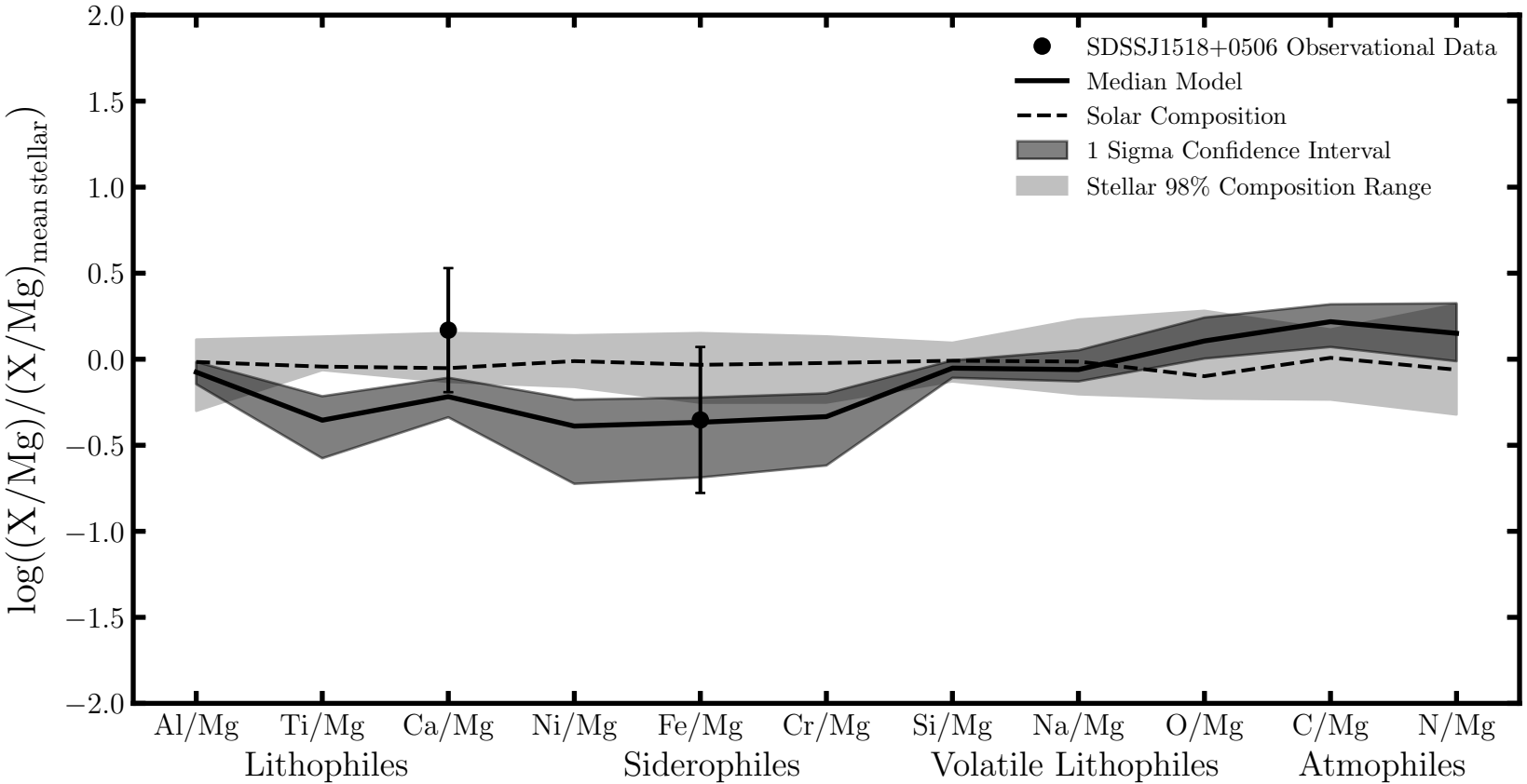

SDSSJ1445+0913 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

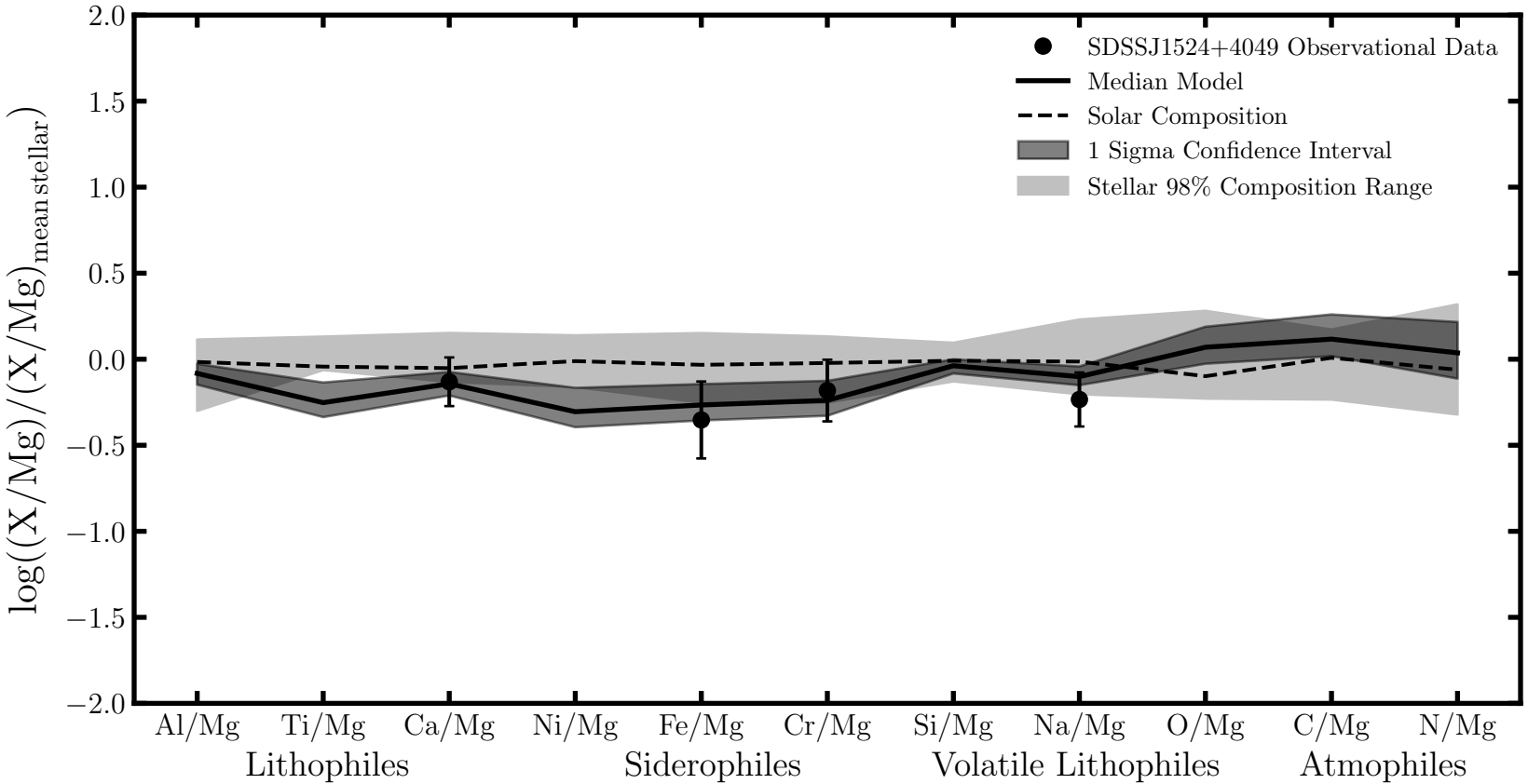

SDSSJ1448+1047 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

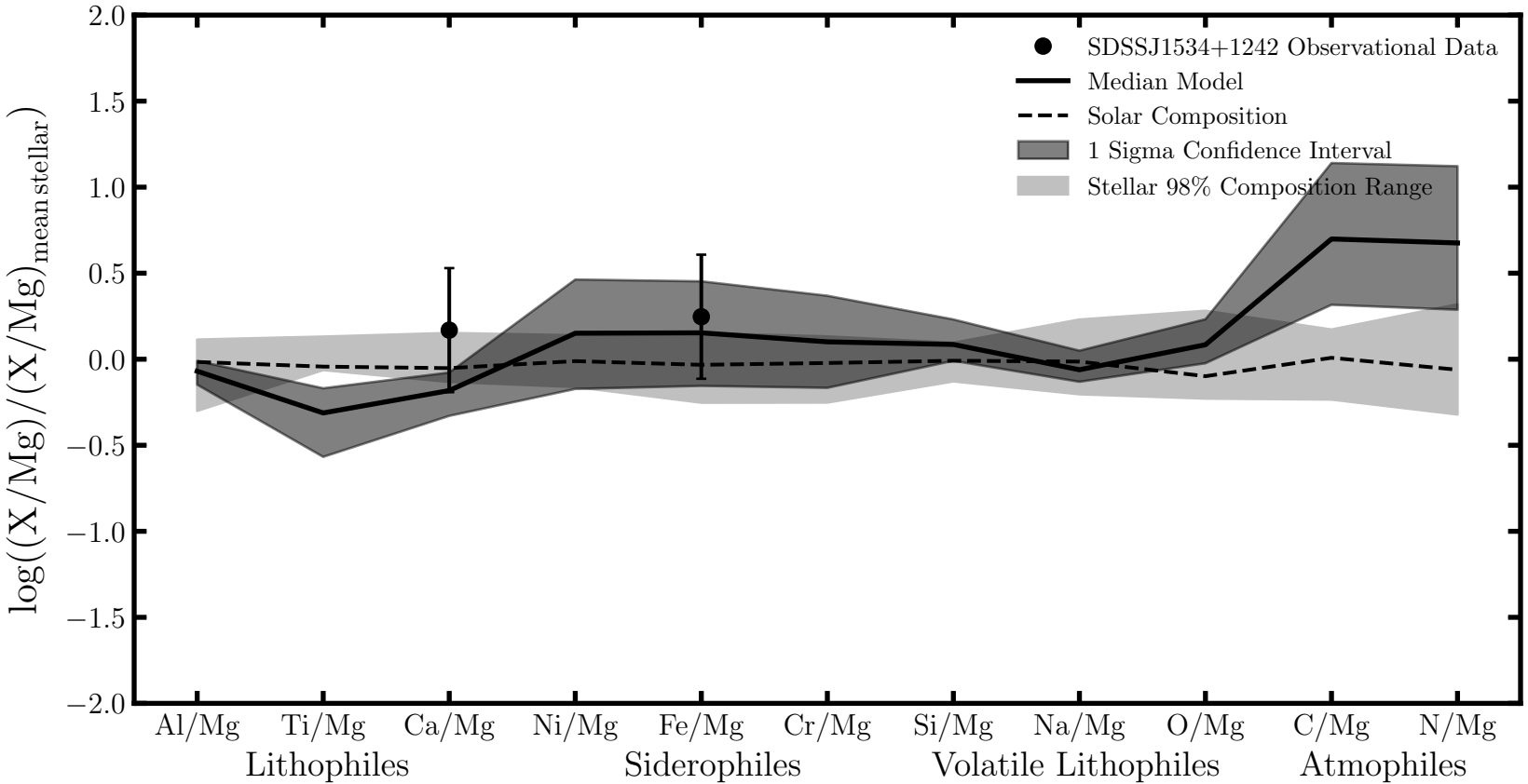

SDSSJ1500+2315 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

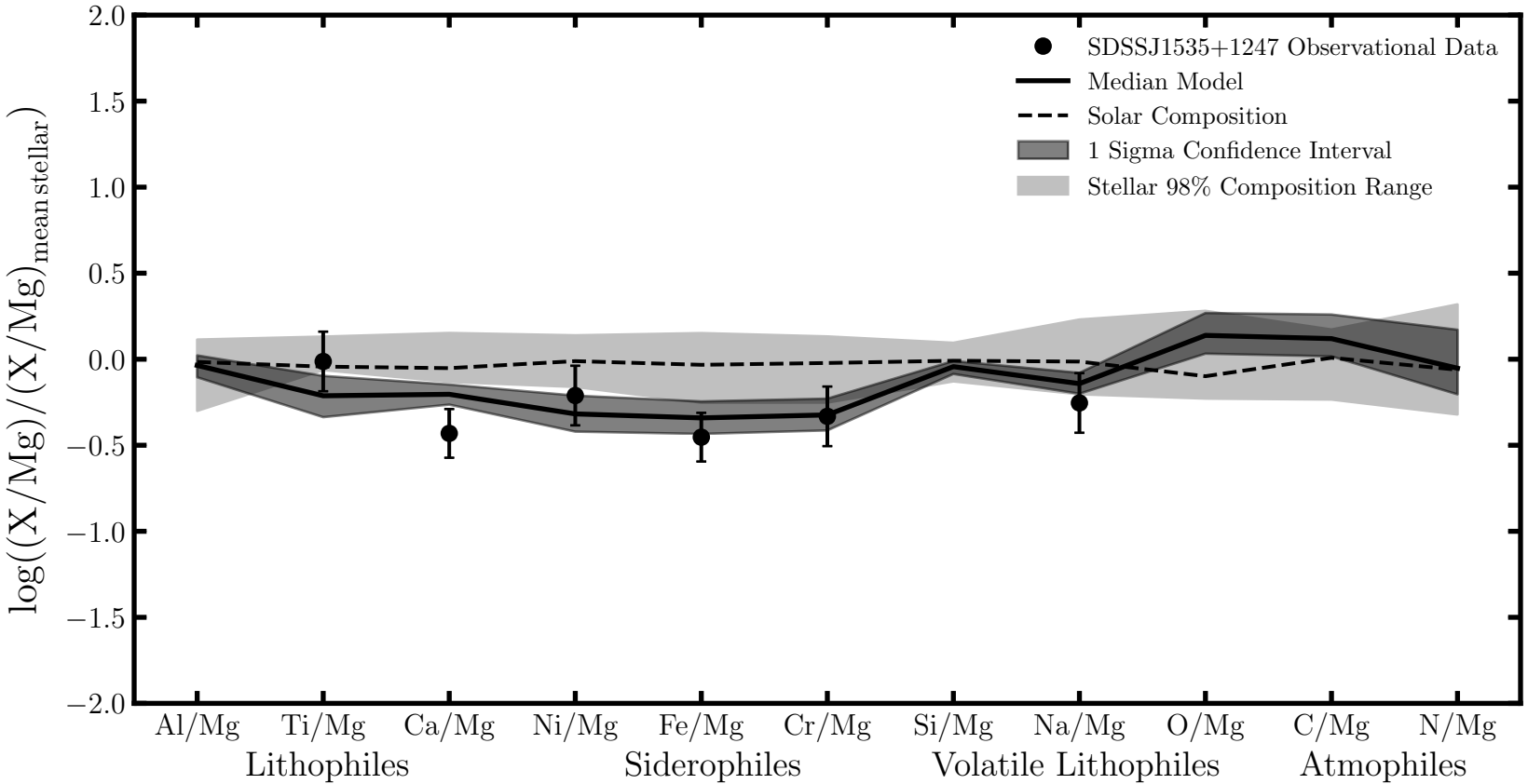

SDSSJ1502+3744 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

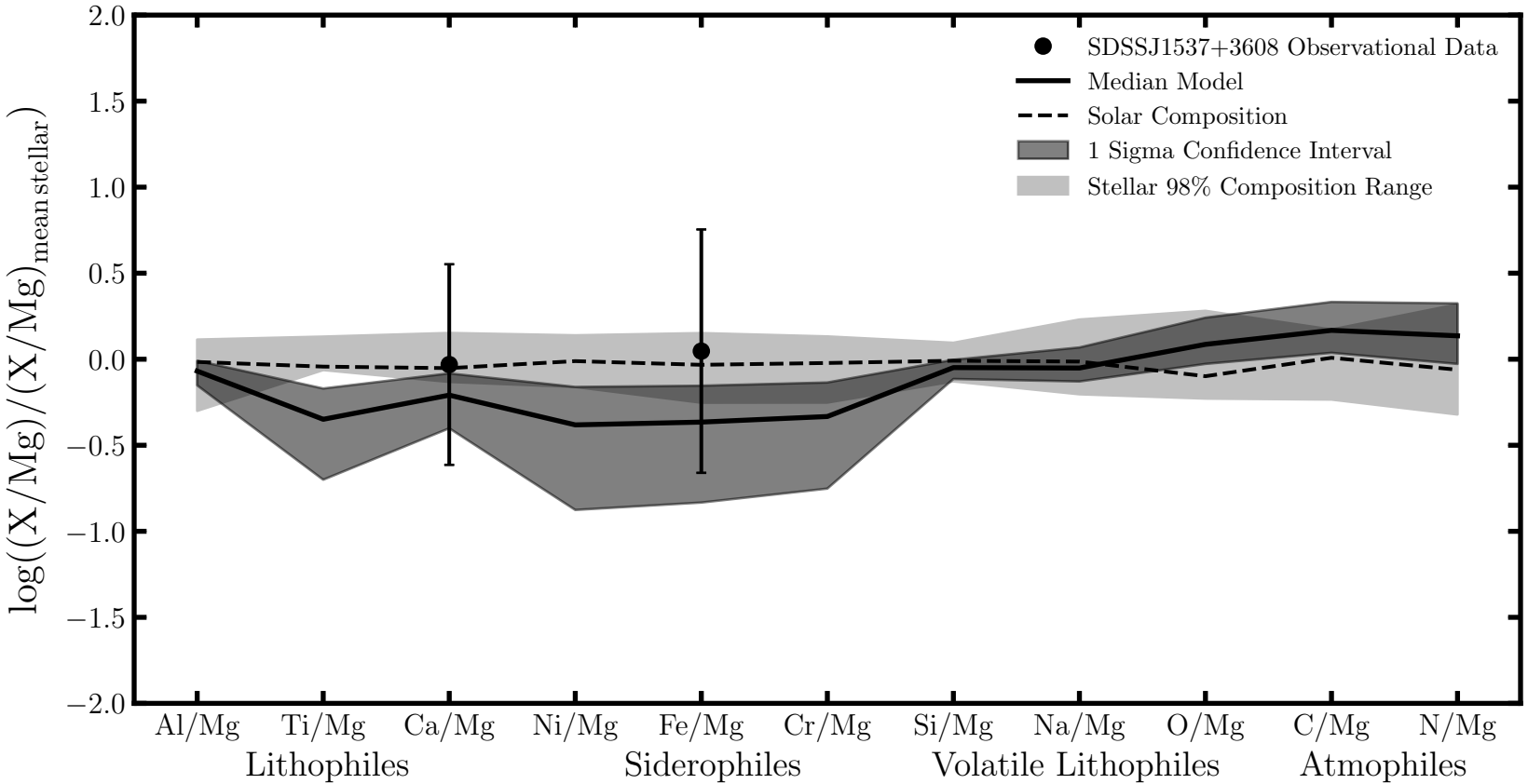

SDSSJ1507+4034 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

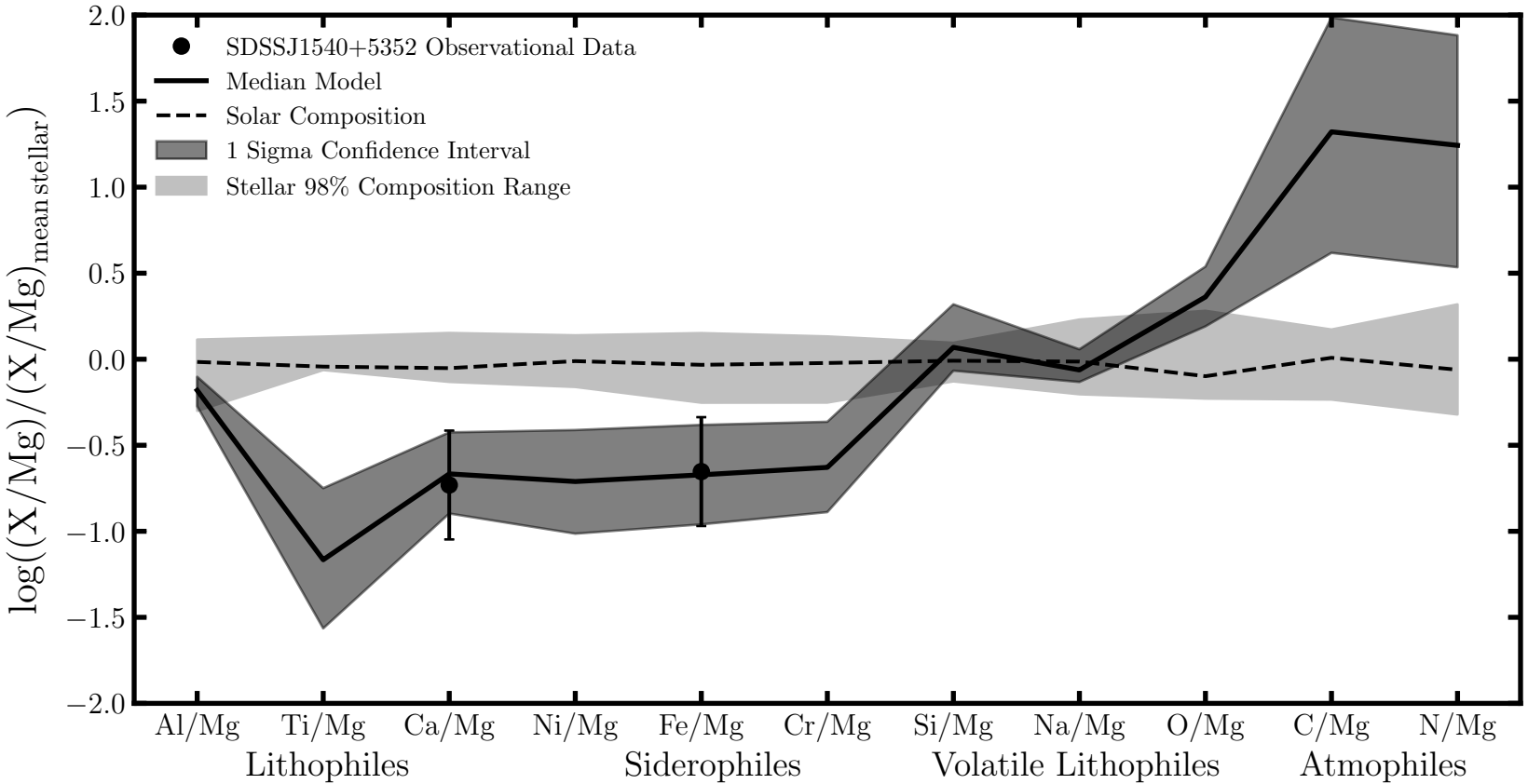

SDSSJ1518+0506 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

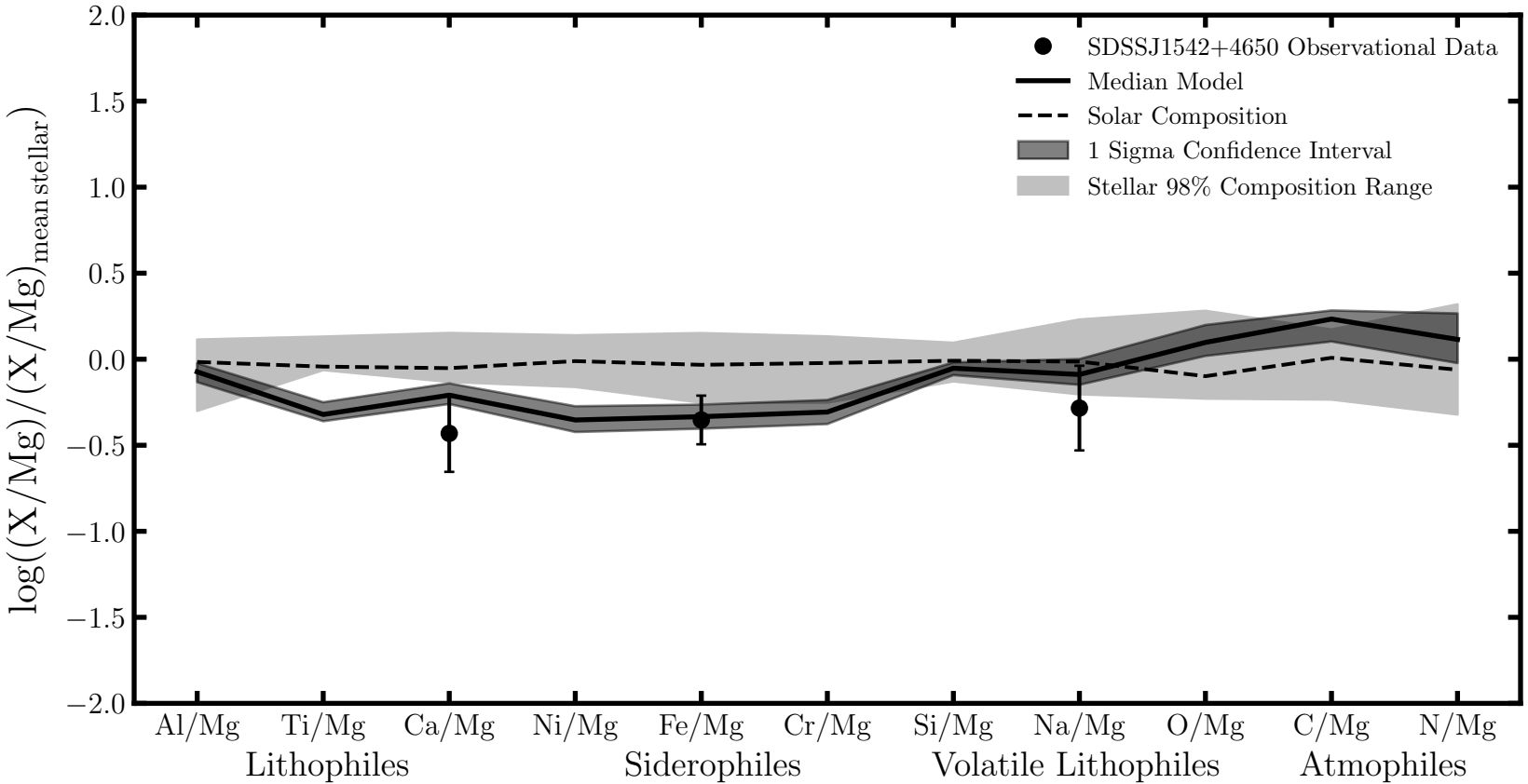

SDSSJ1524+4049 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

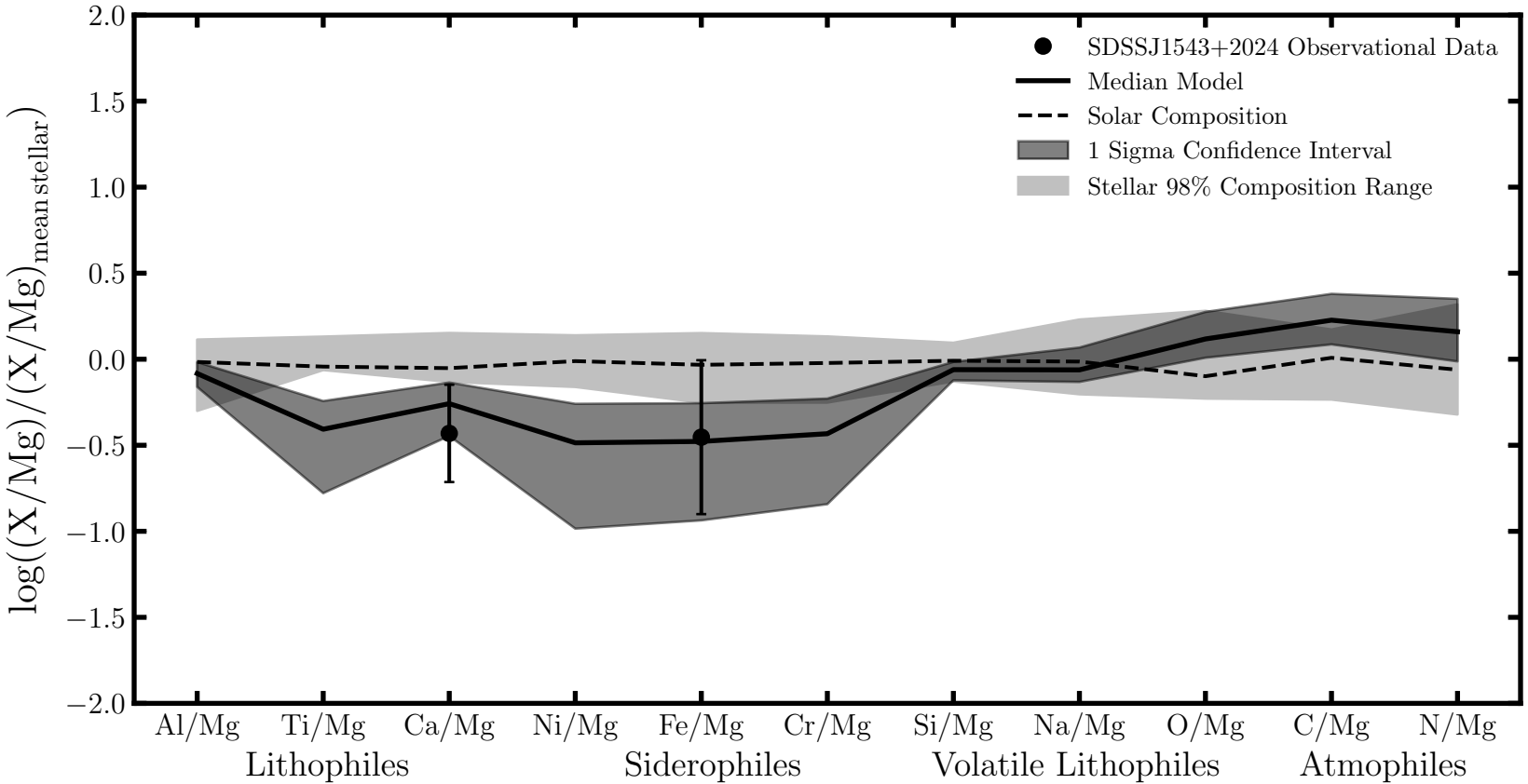

SDSSJ1534+1242 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

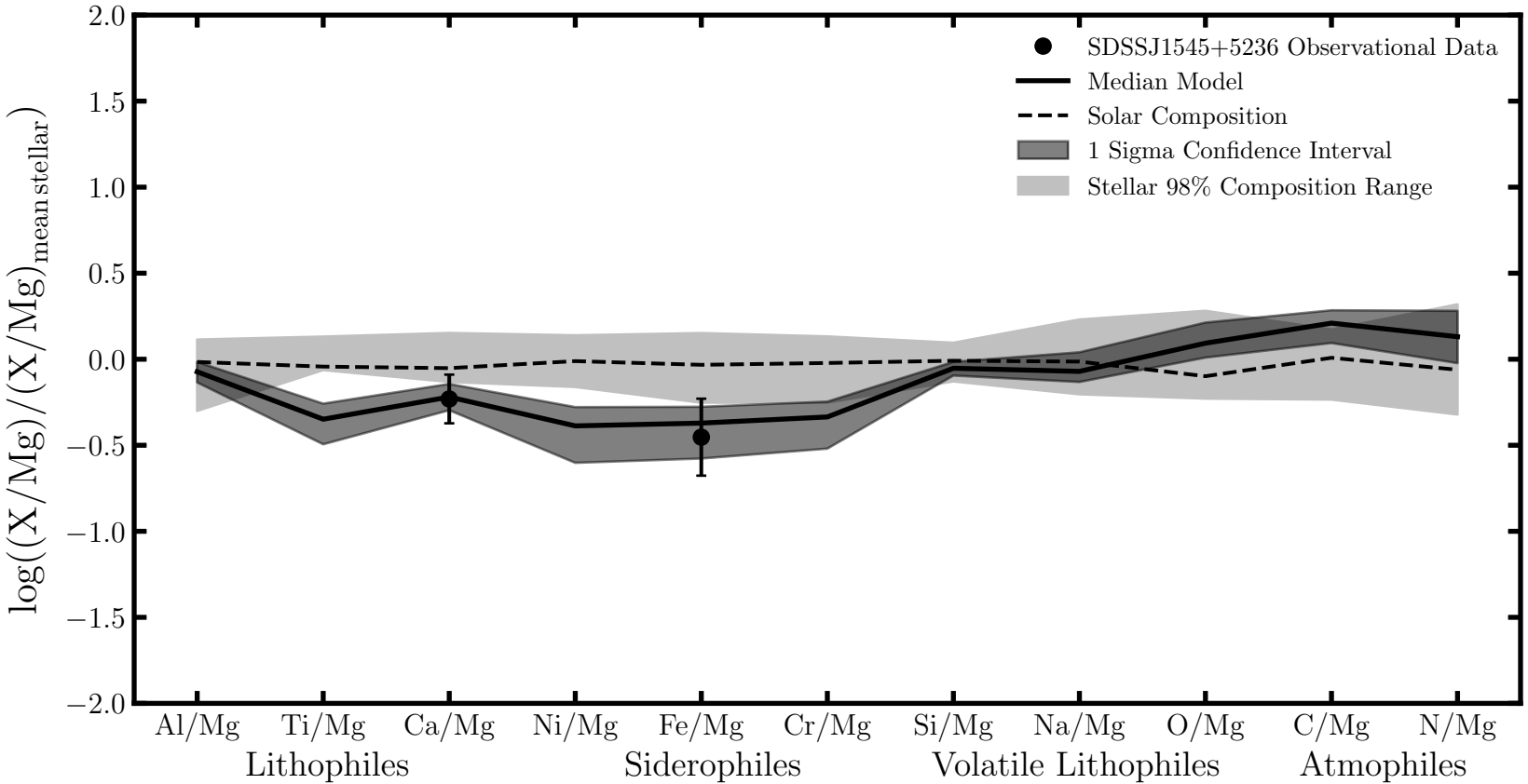

SDSSJ1535+1247 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

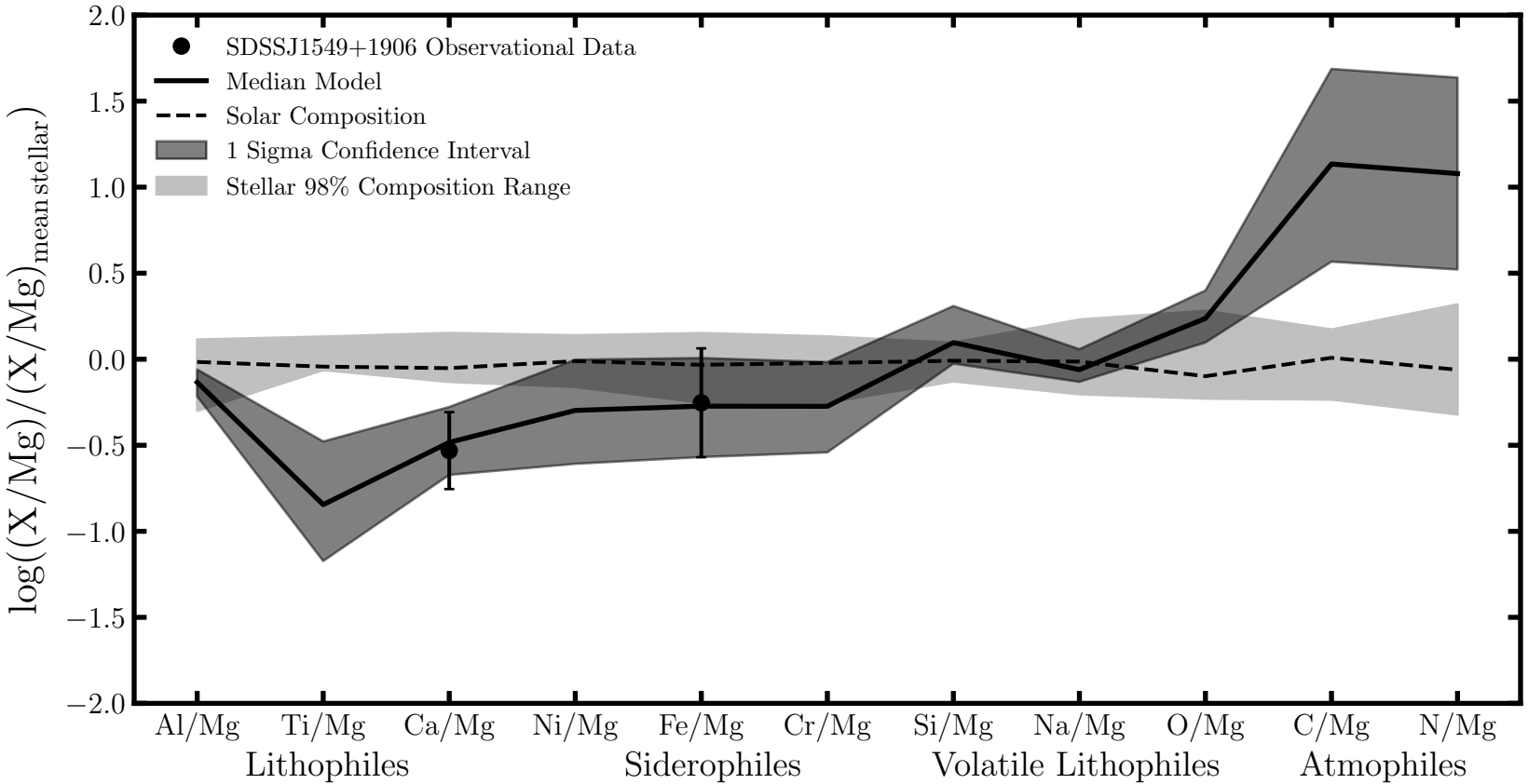

SDSSJ1537+3608 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

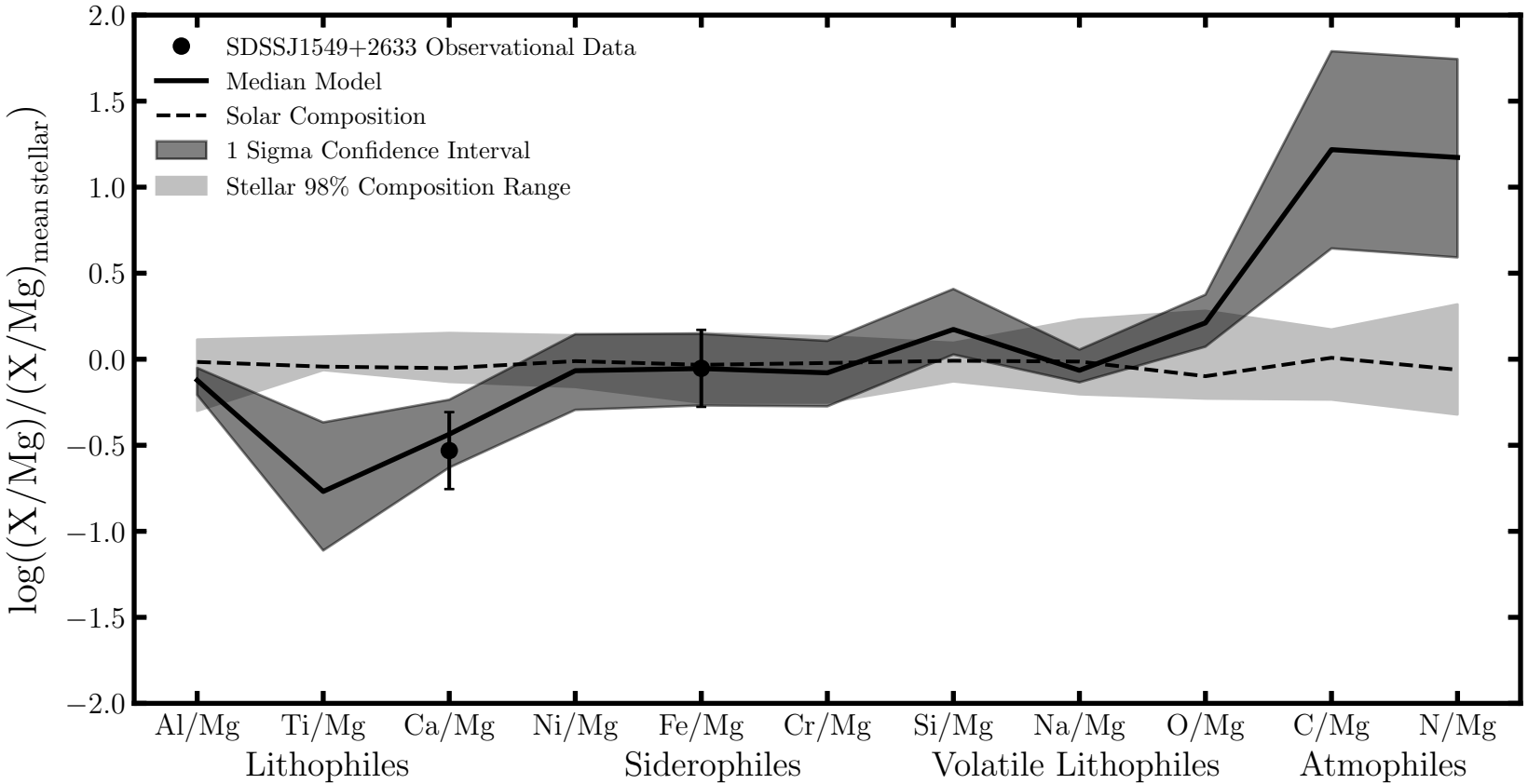

SDSSJ1540+5352 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

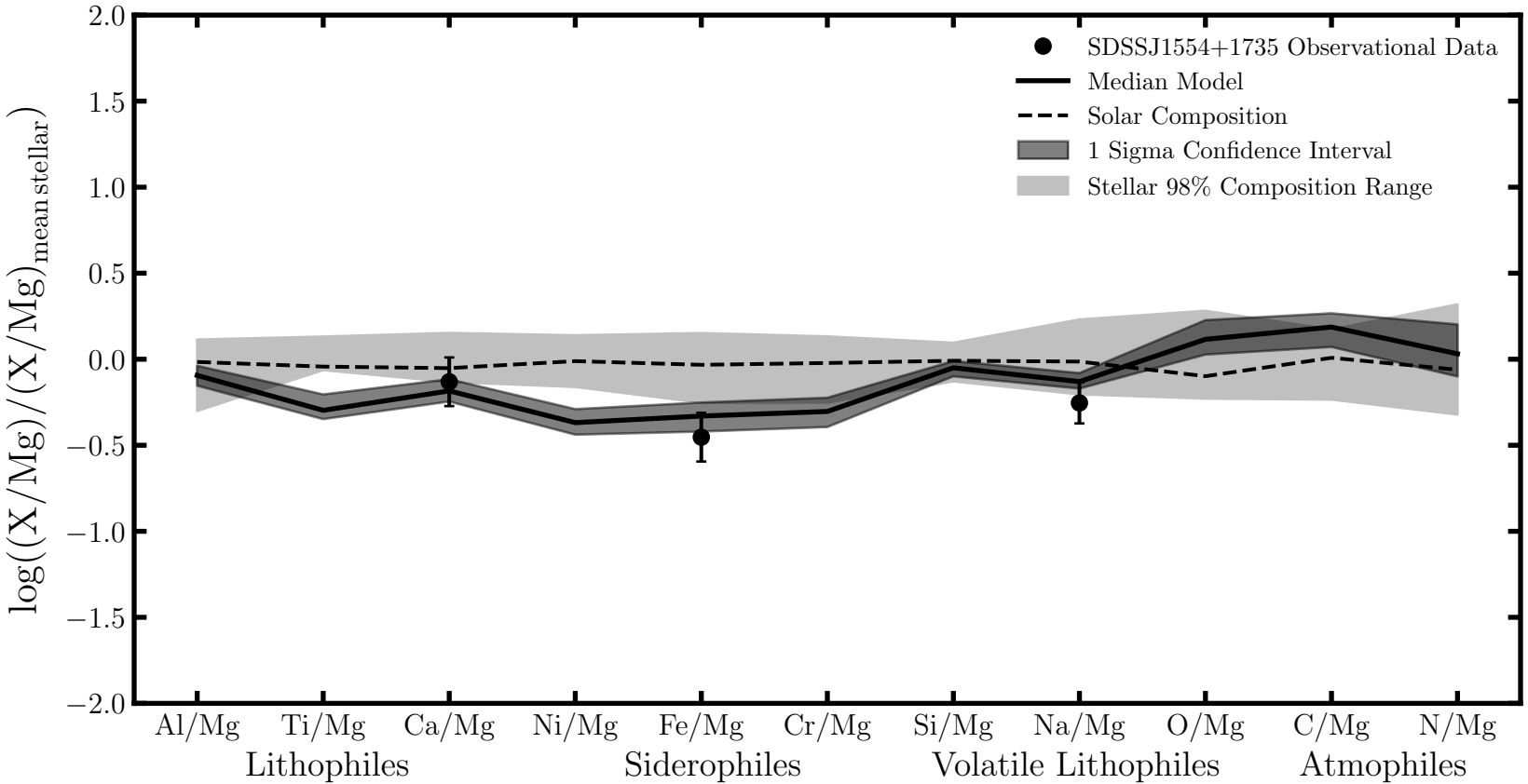

SDSSJ1542+4650 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

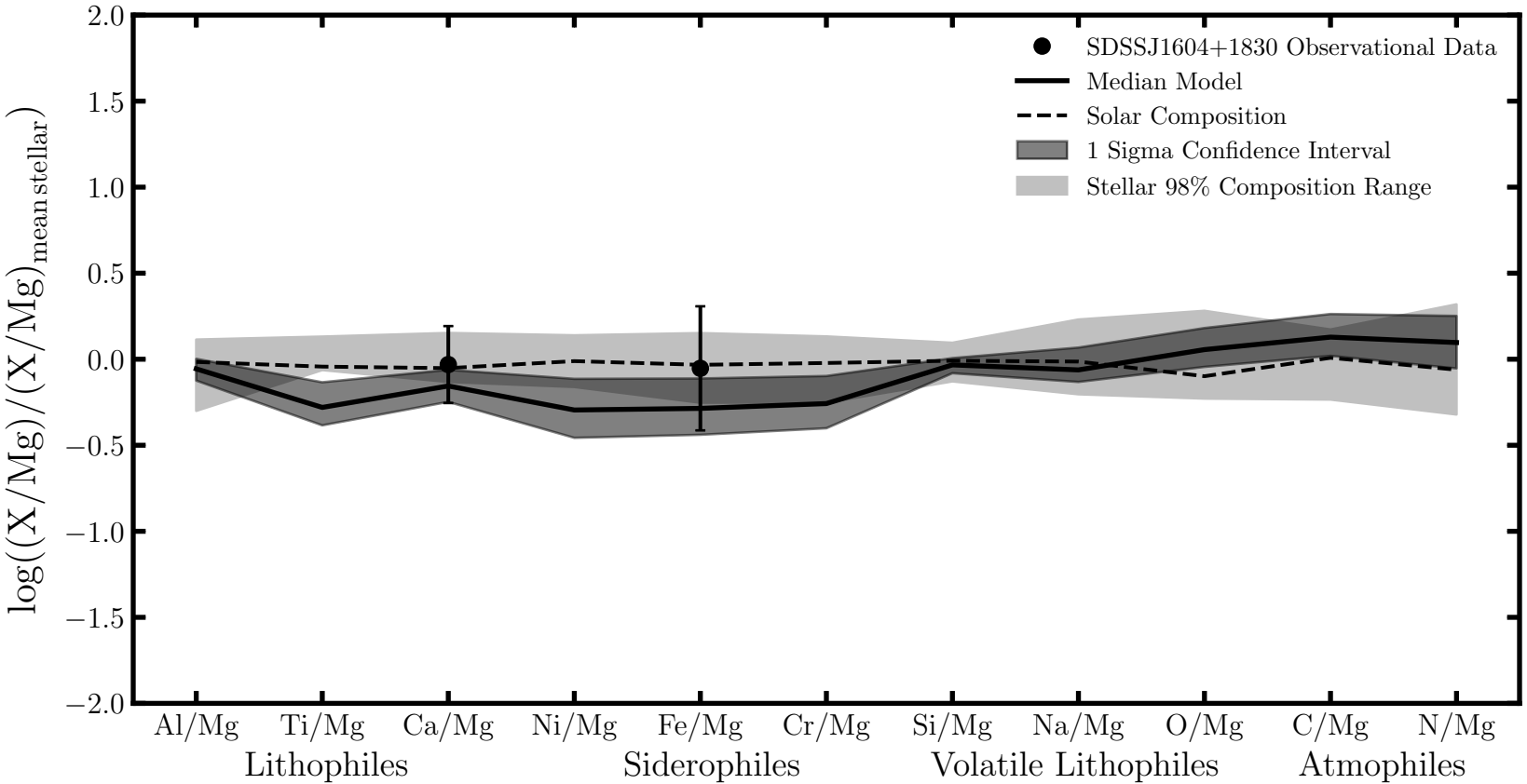

SDSSJ1543+2024 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

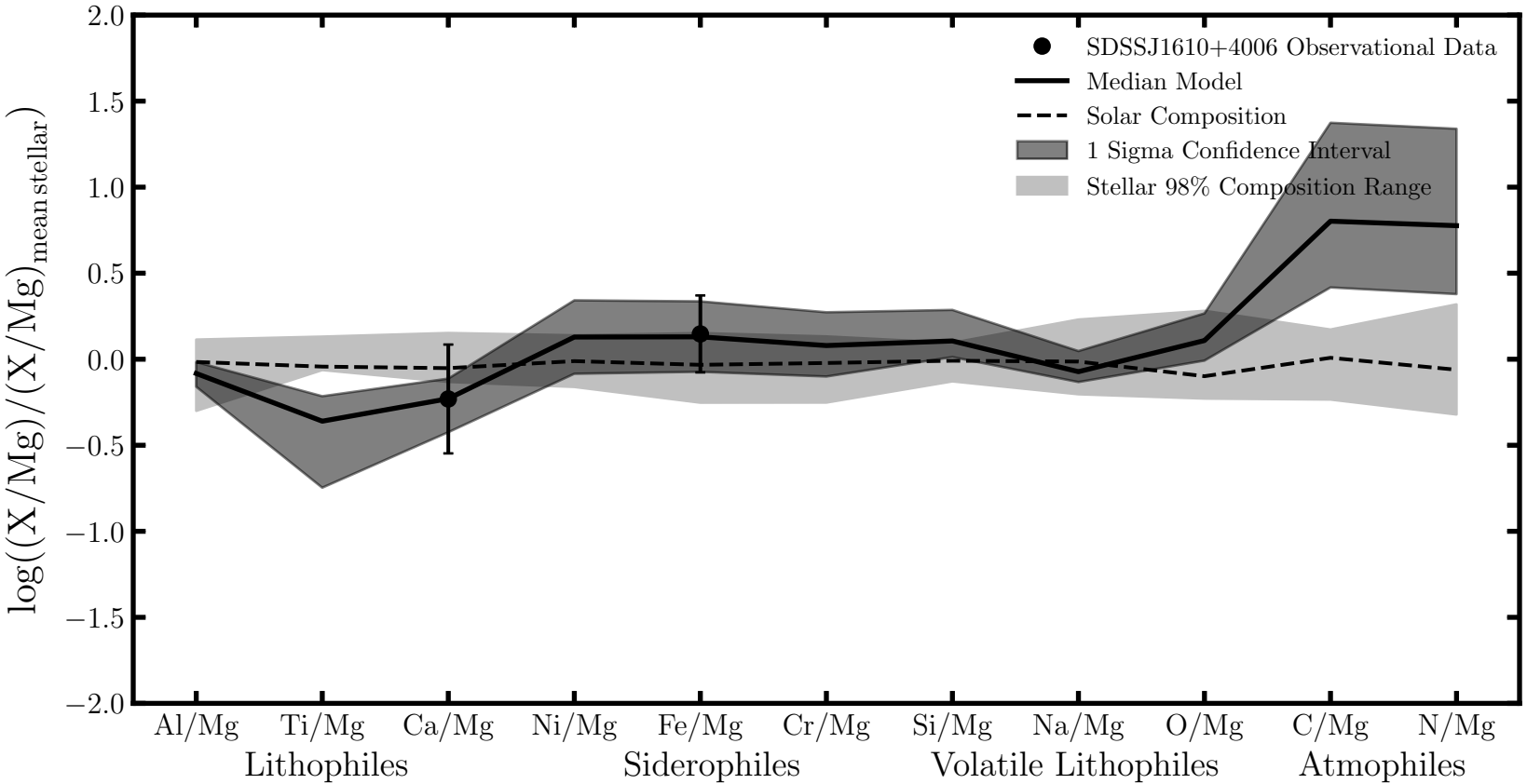

SDSSJ1545+5236 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

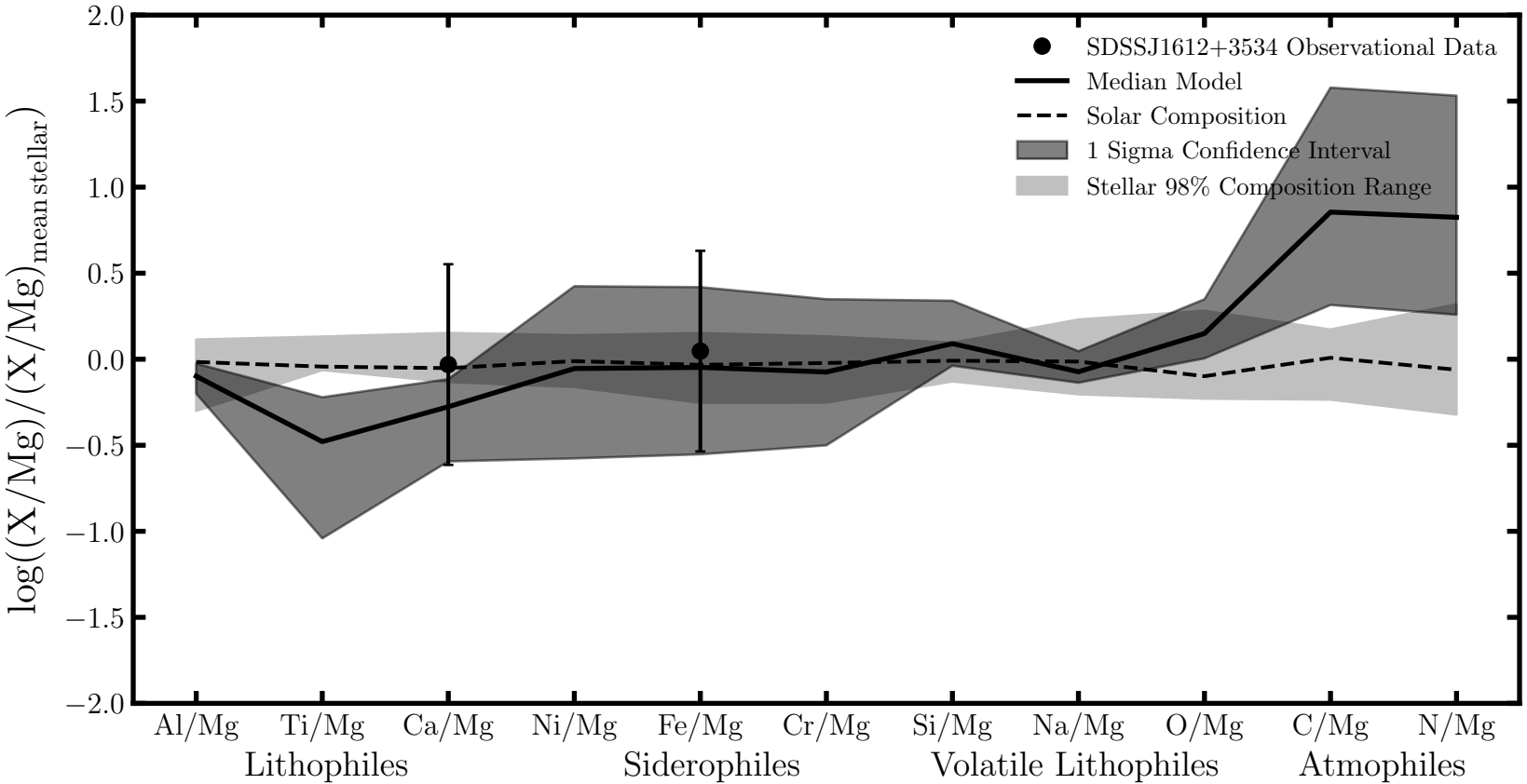

SDSSJ1549+1906 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

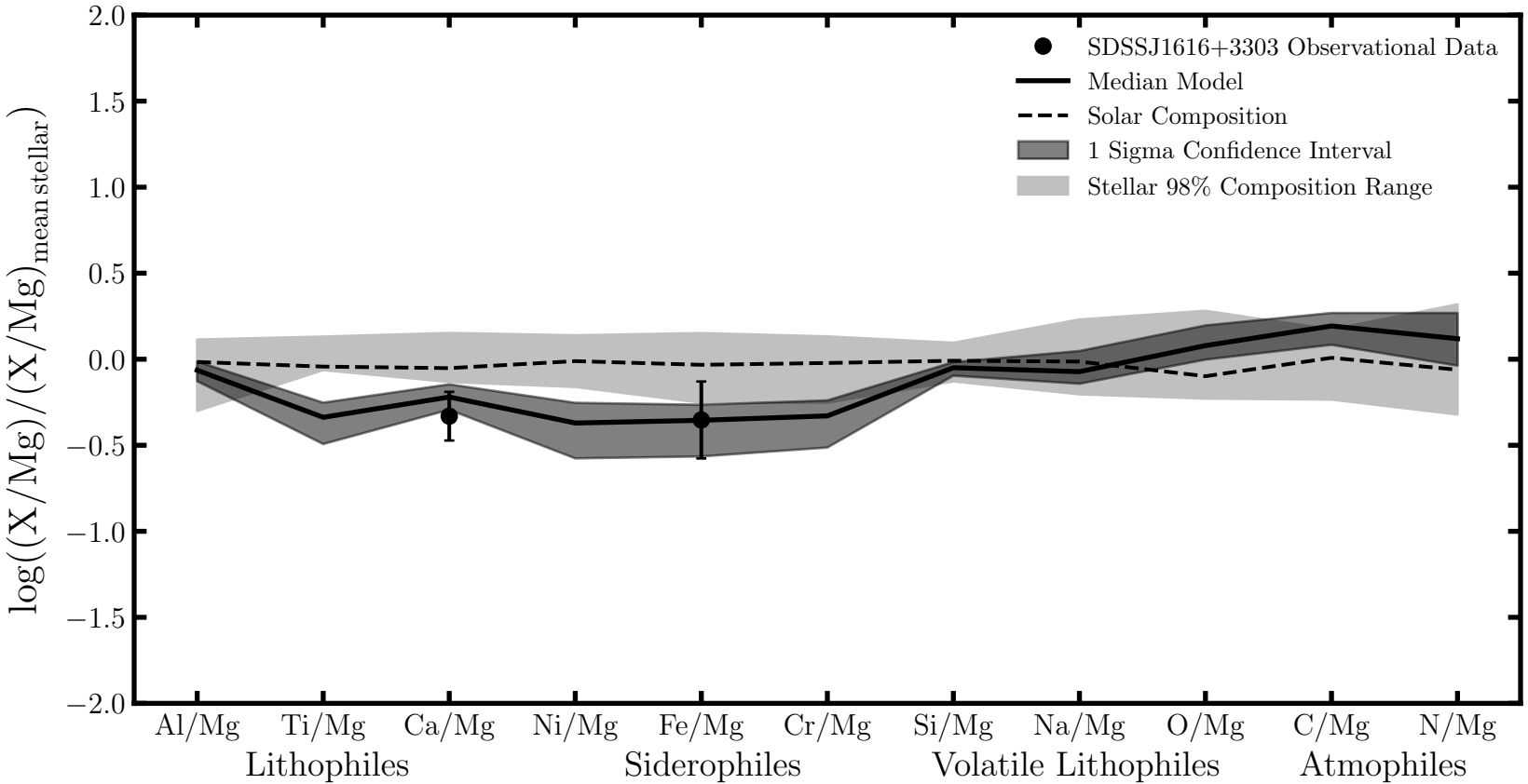

SDSSJ1549+2633 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

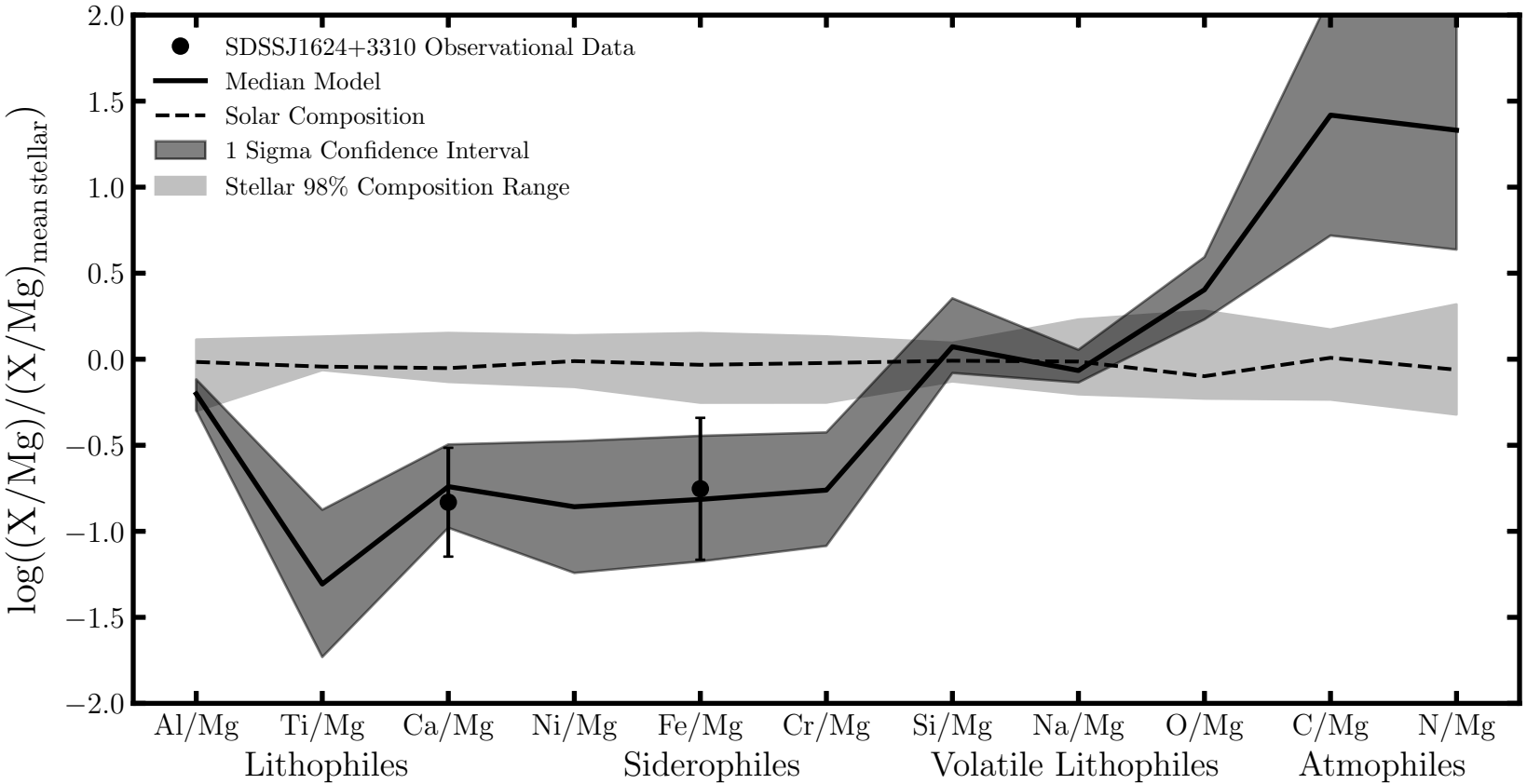

SDSSJ1554+1735 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

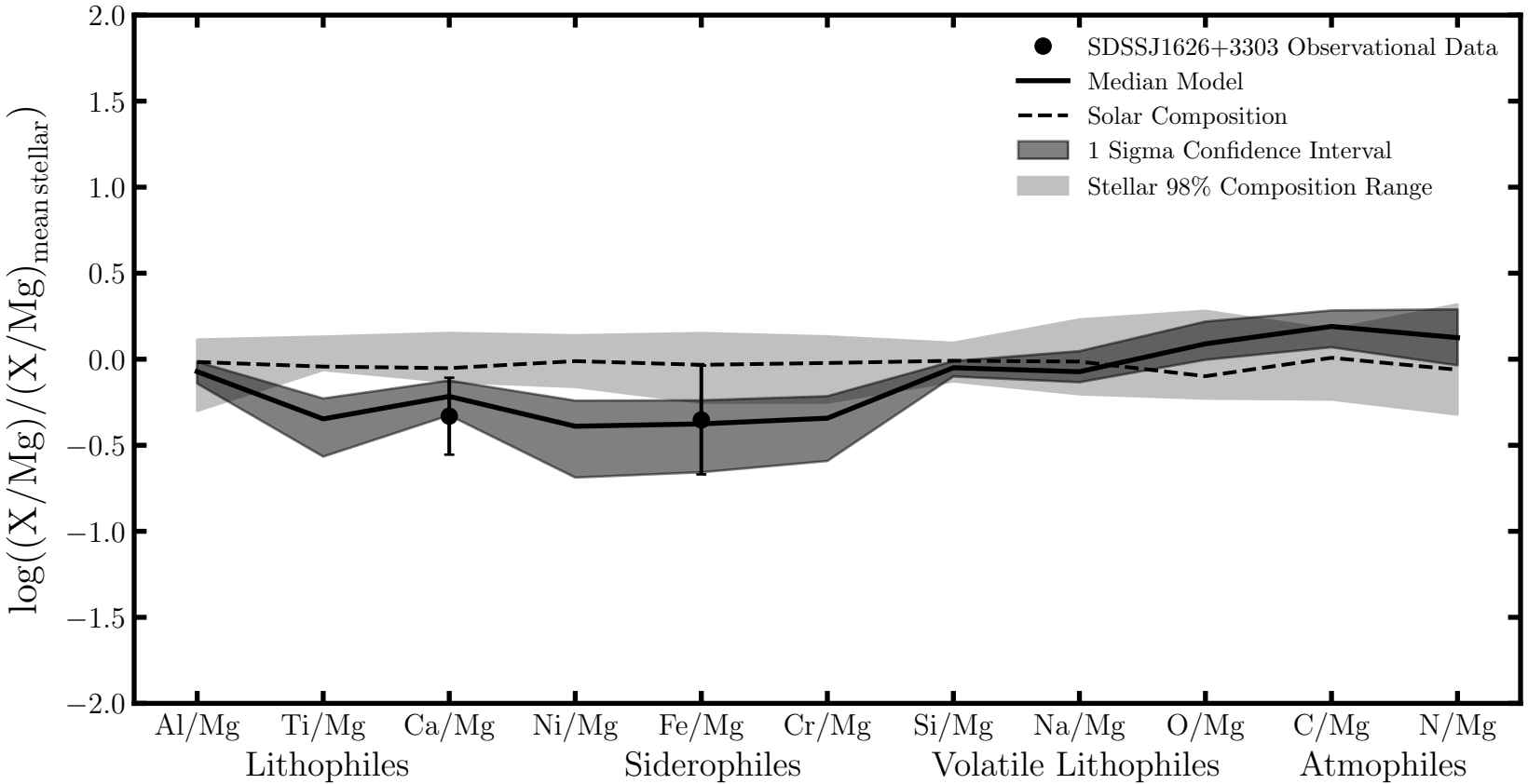

SDSSJ1604+1830 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

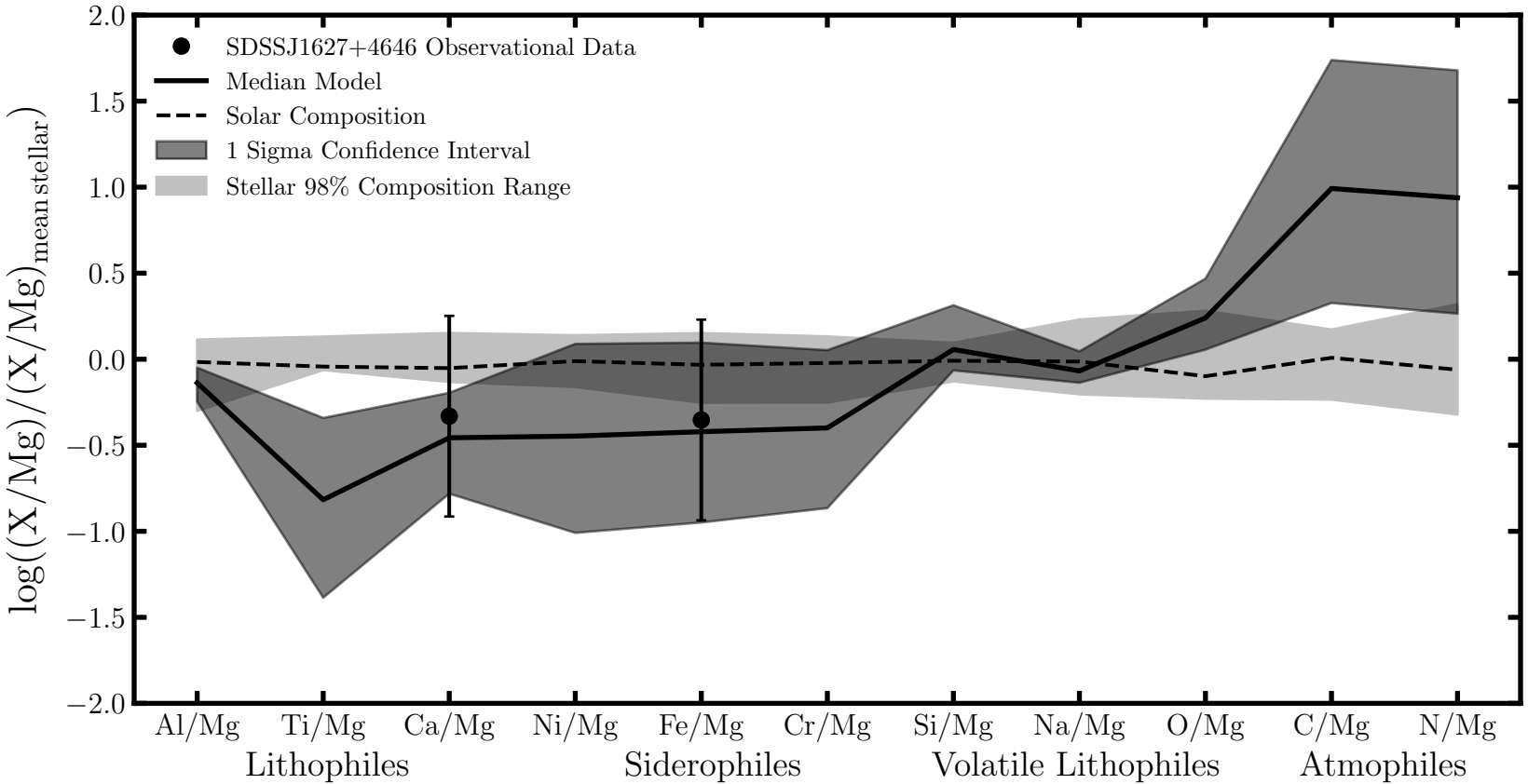

SDSSJ1610+4006 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

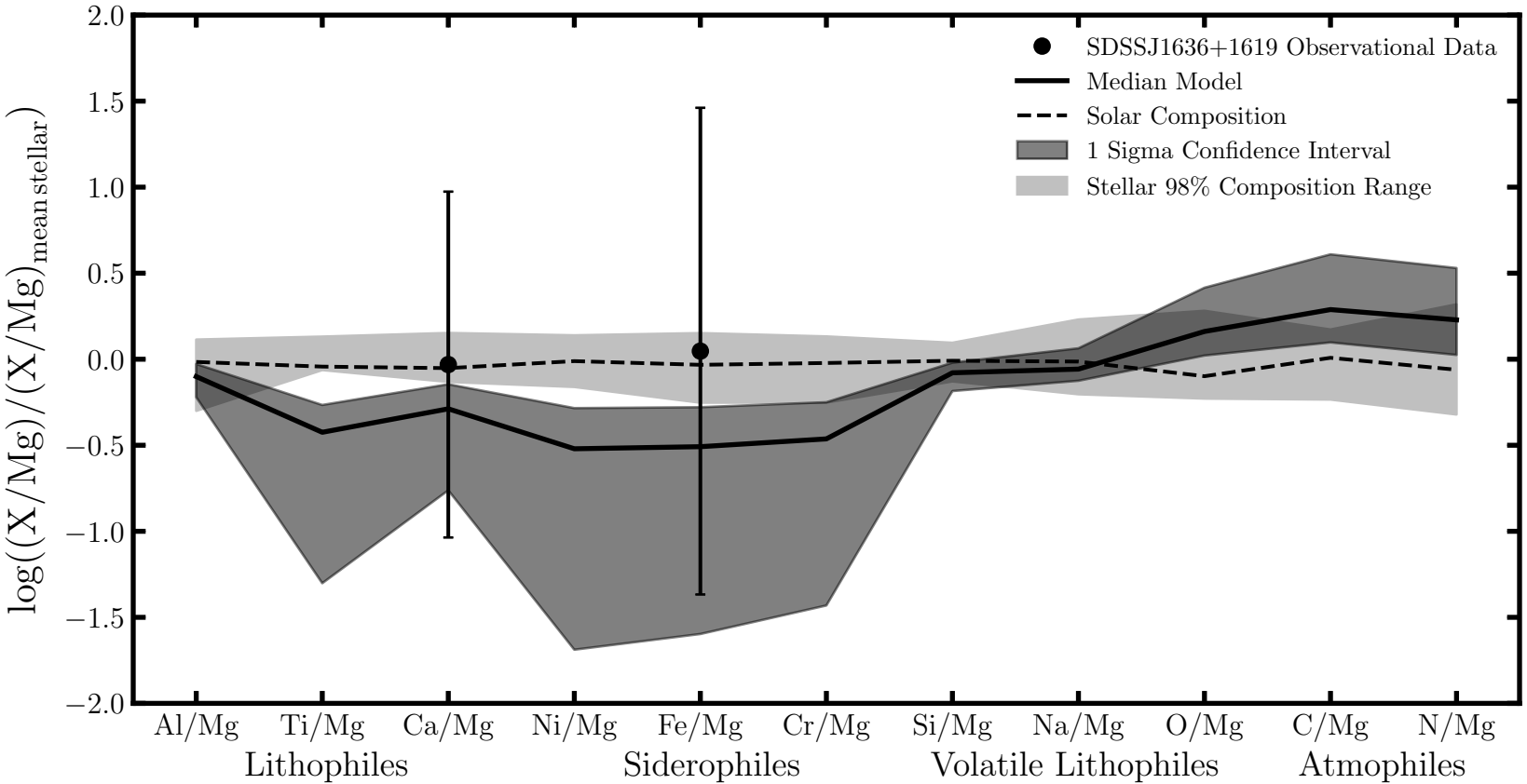

SDSSJ1612+3534 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

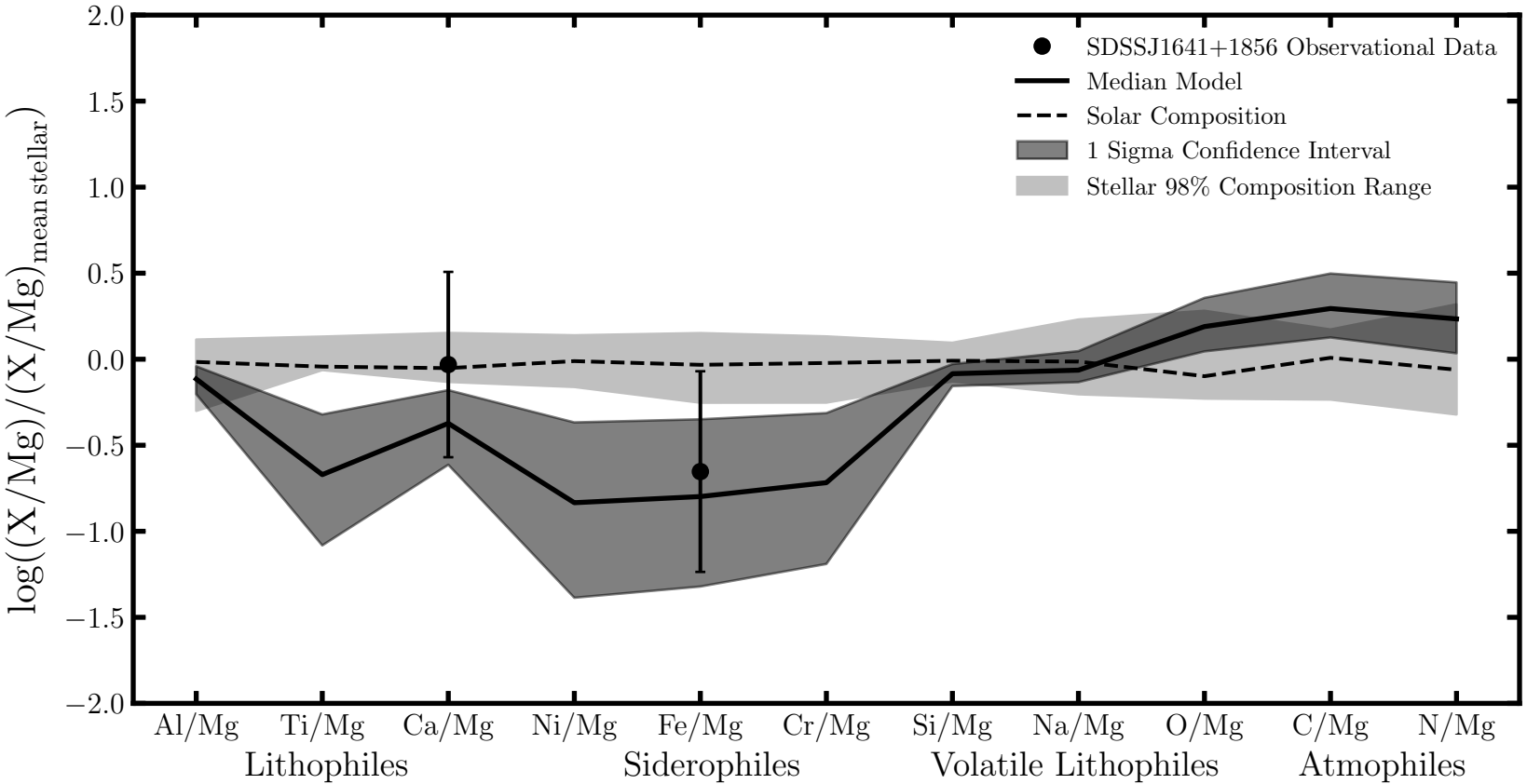

SDSSJ1616+3303 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

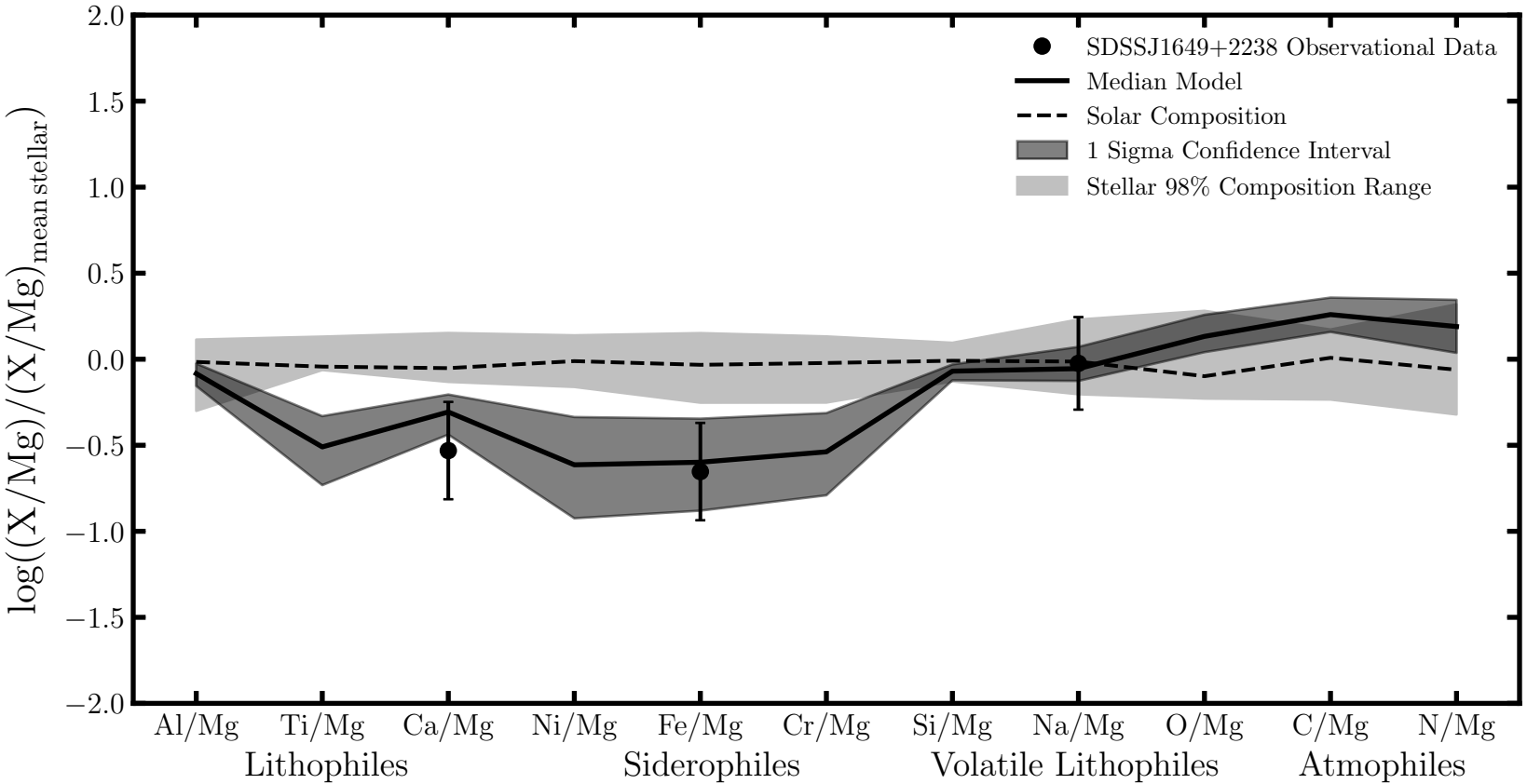

SDSSJ1624+3310 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

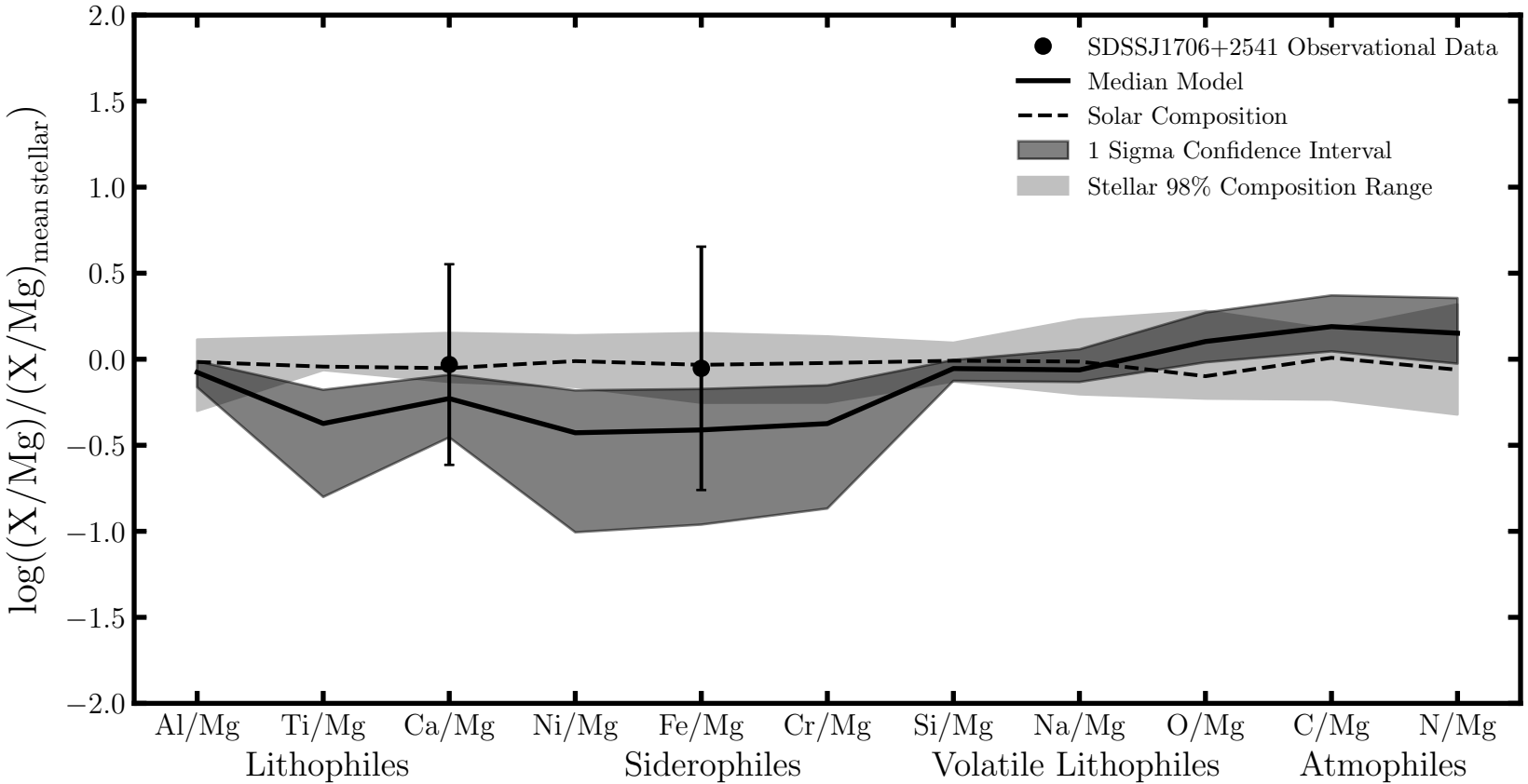

SDSSJ1626+3303 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

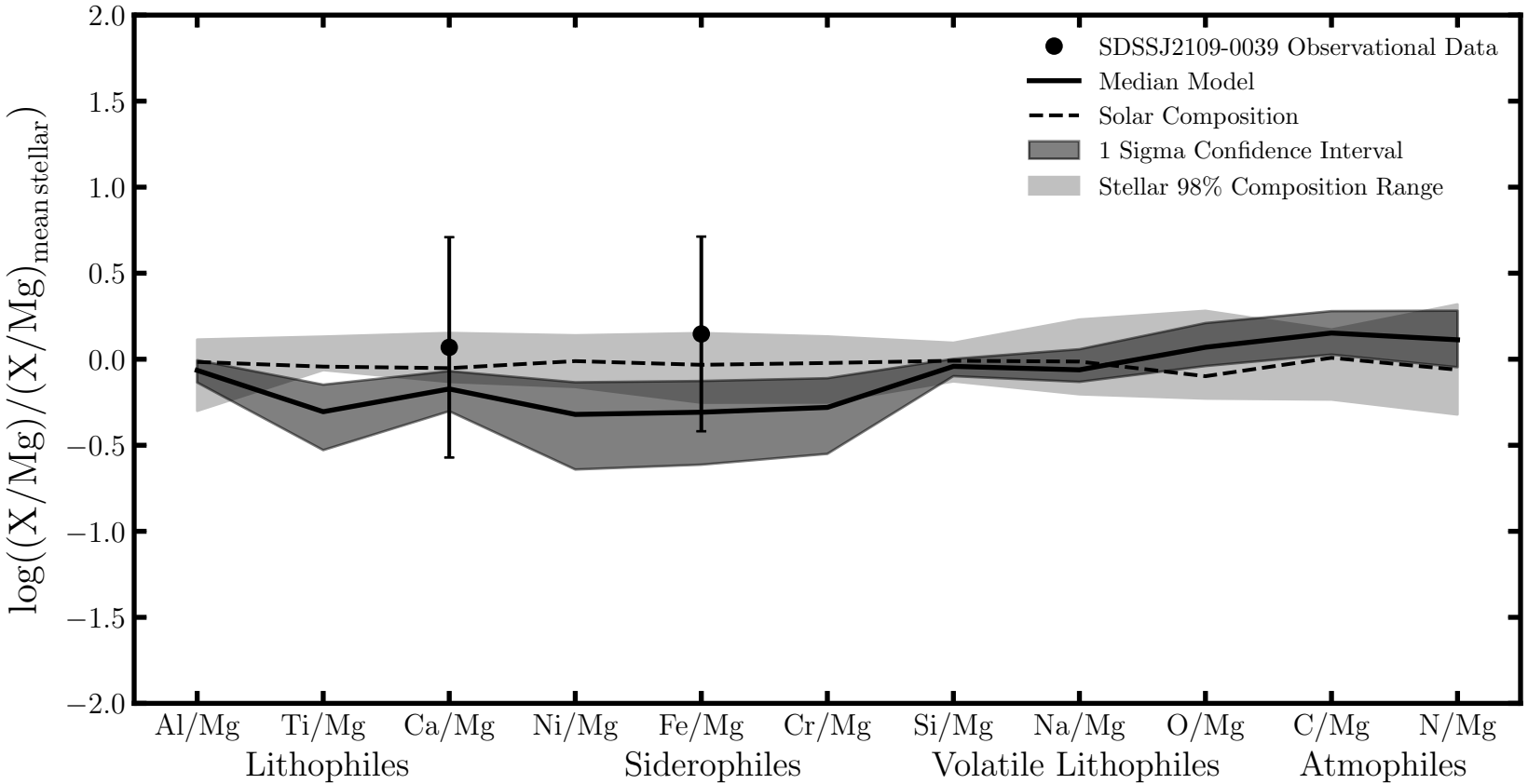

SDSSJ1627+4646 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

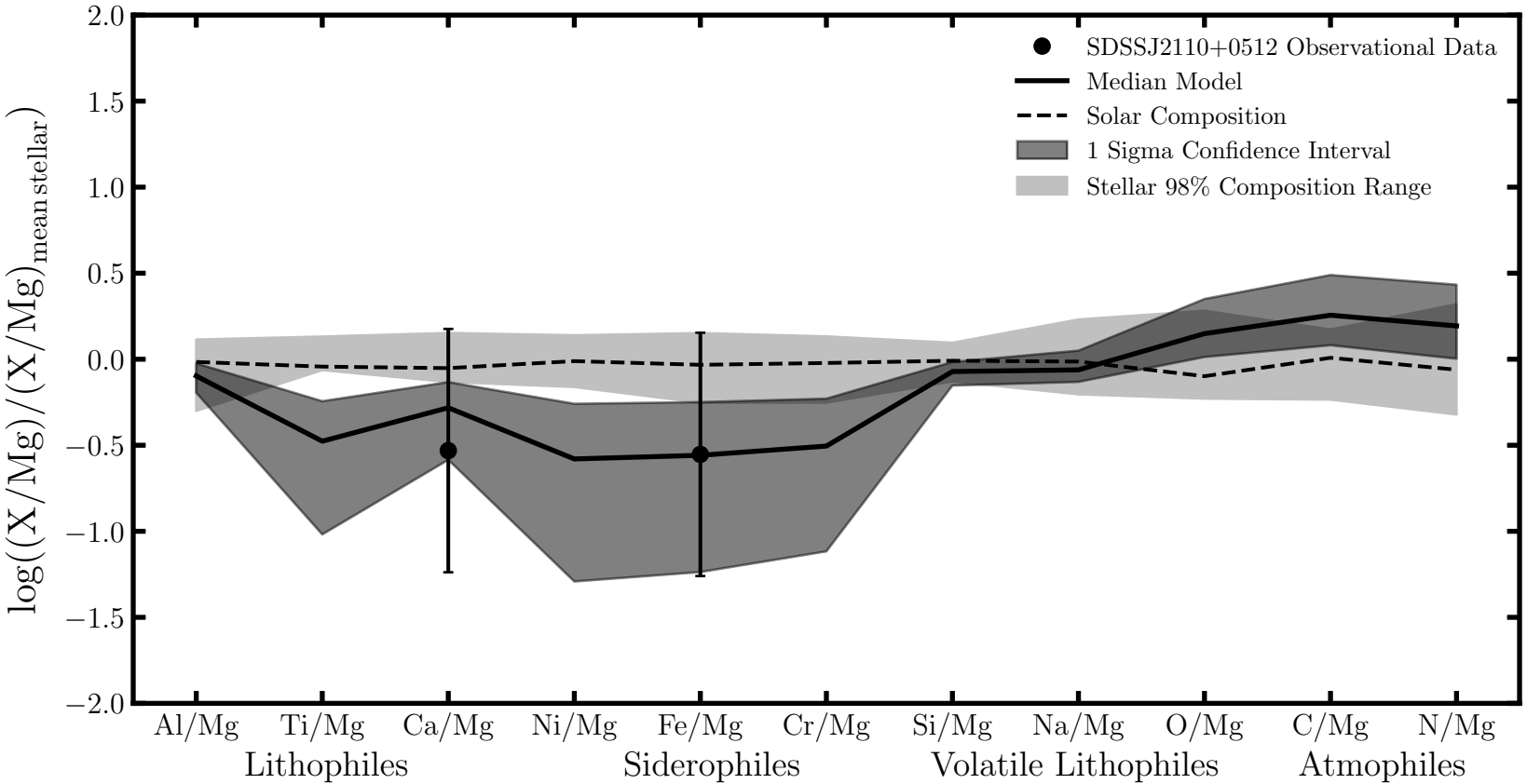

SDSSJ1636+1619 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

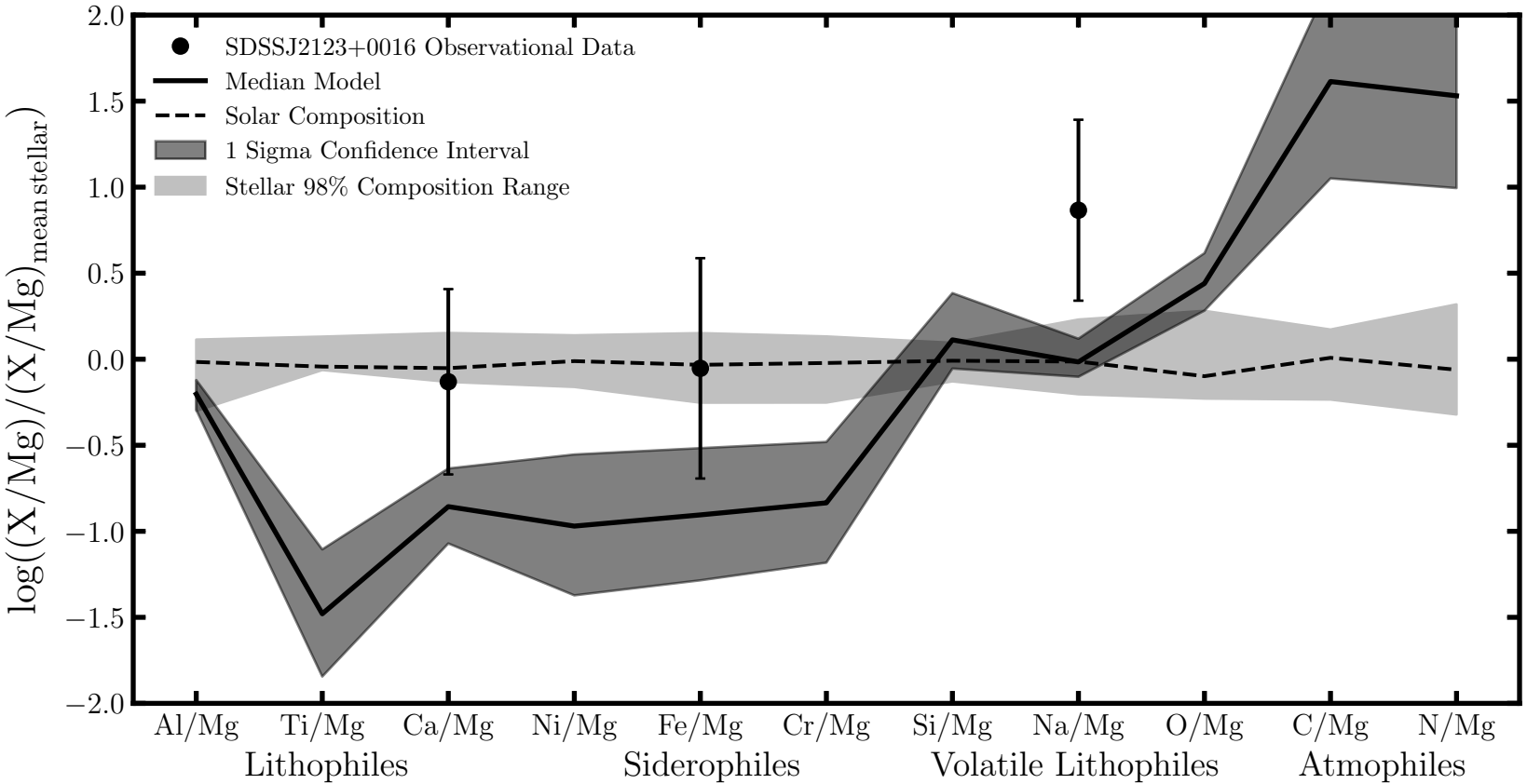

SDSSJ1641+1856 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

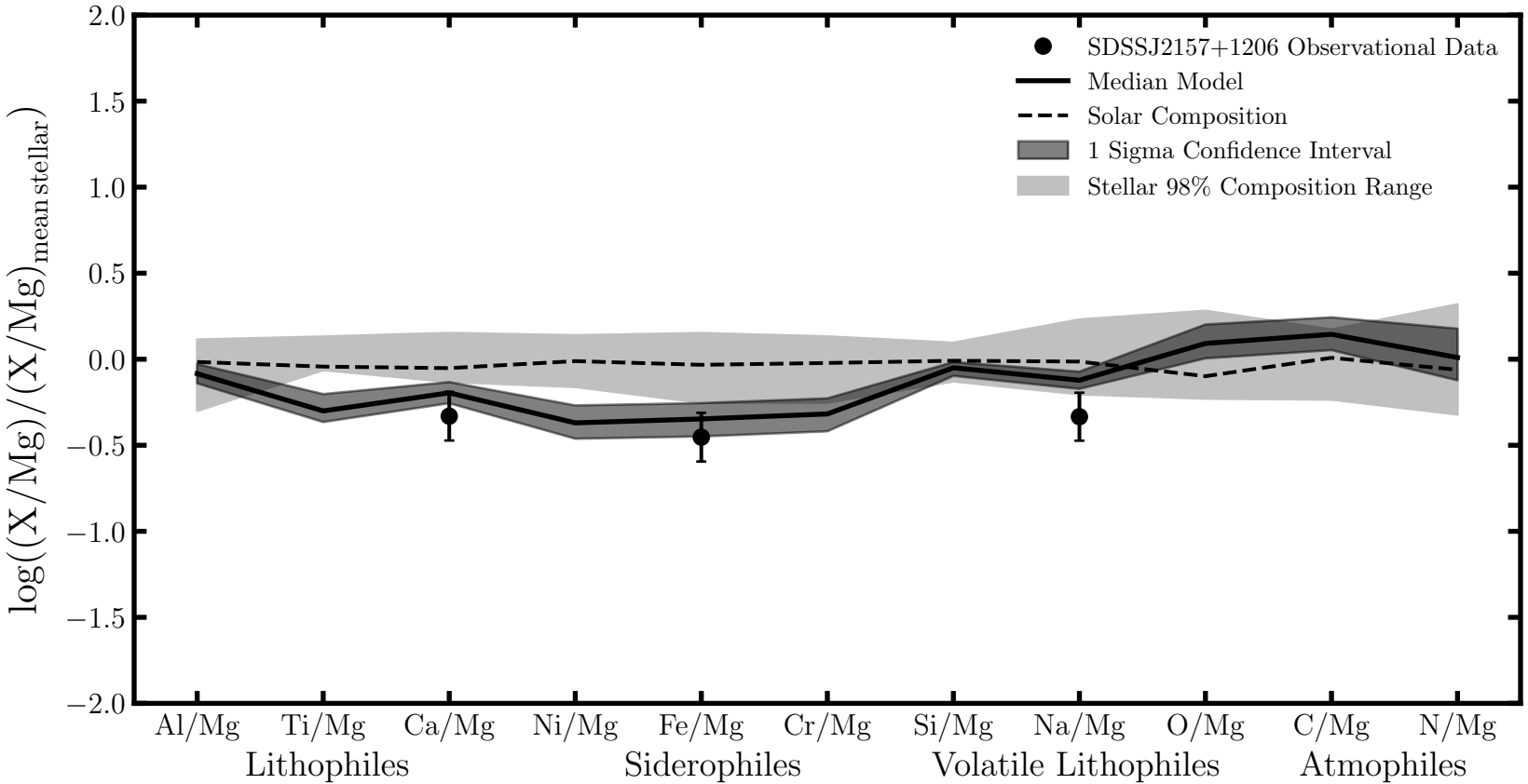

SDSSJ1649+2238 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

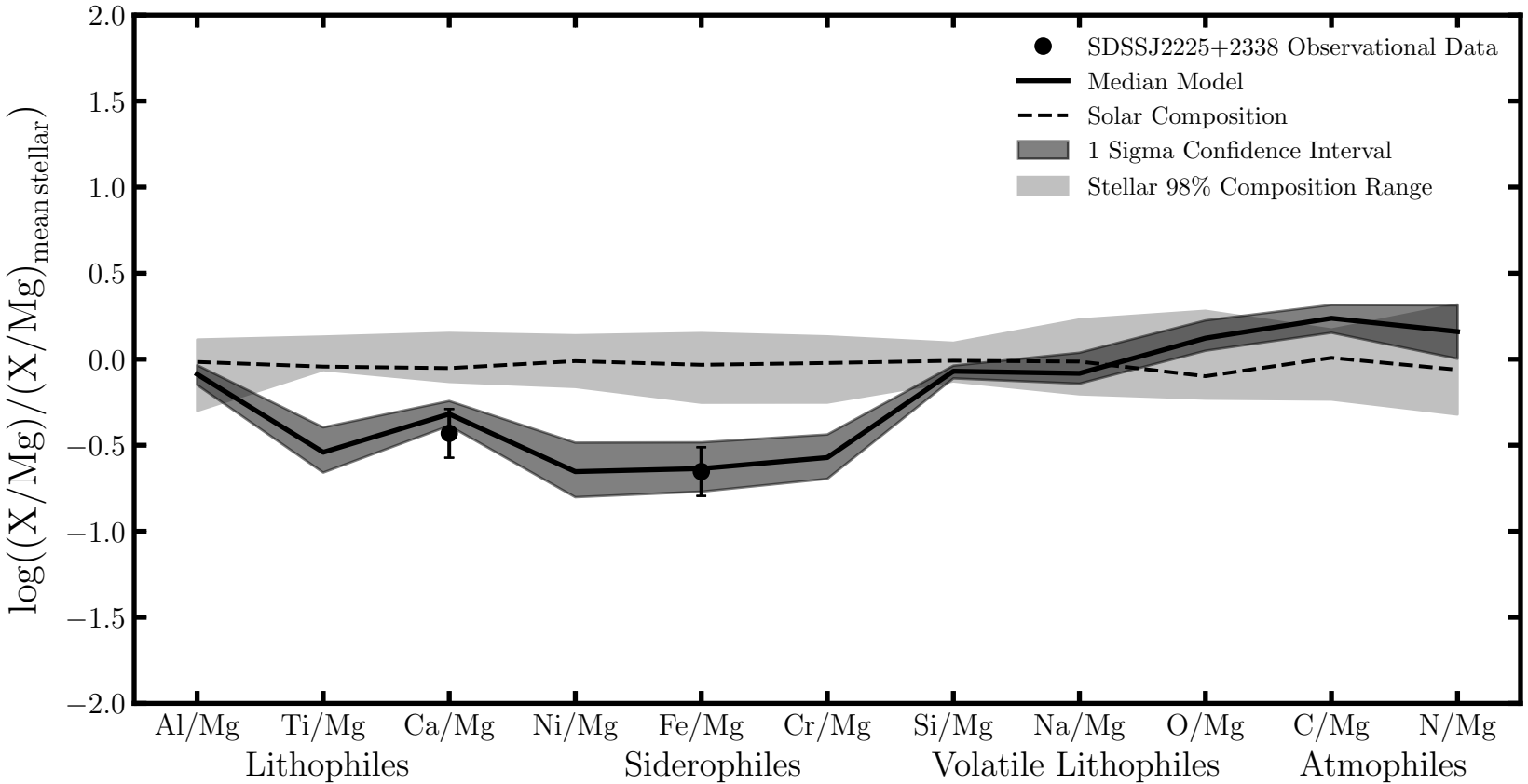

SDSSJ1706+2541 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

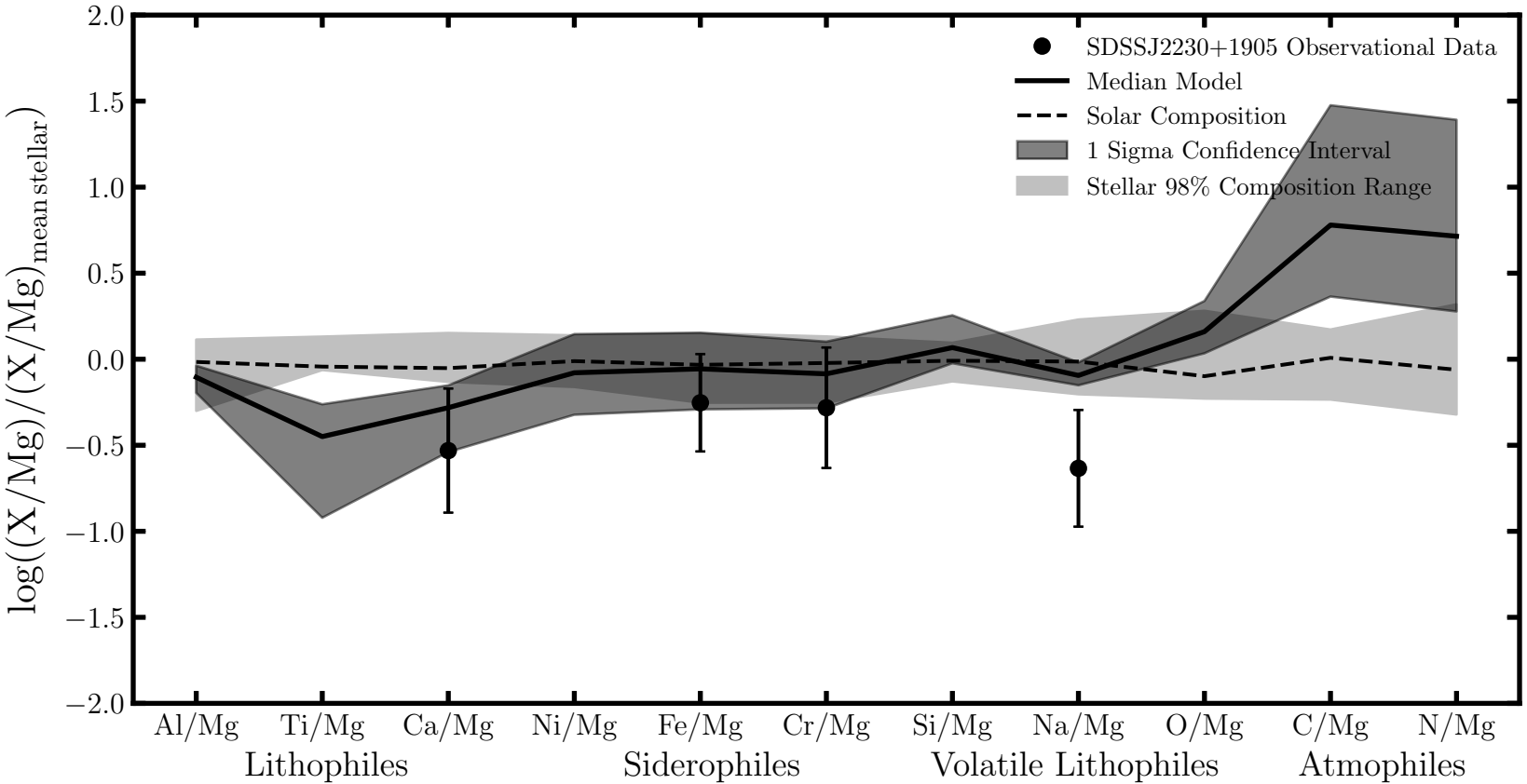

SDSSJ2109-0039 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

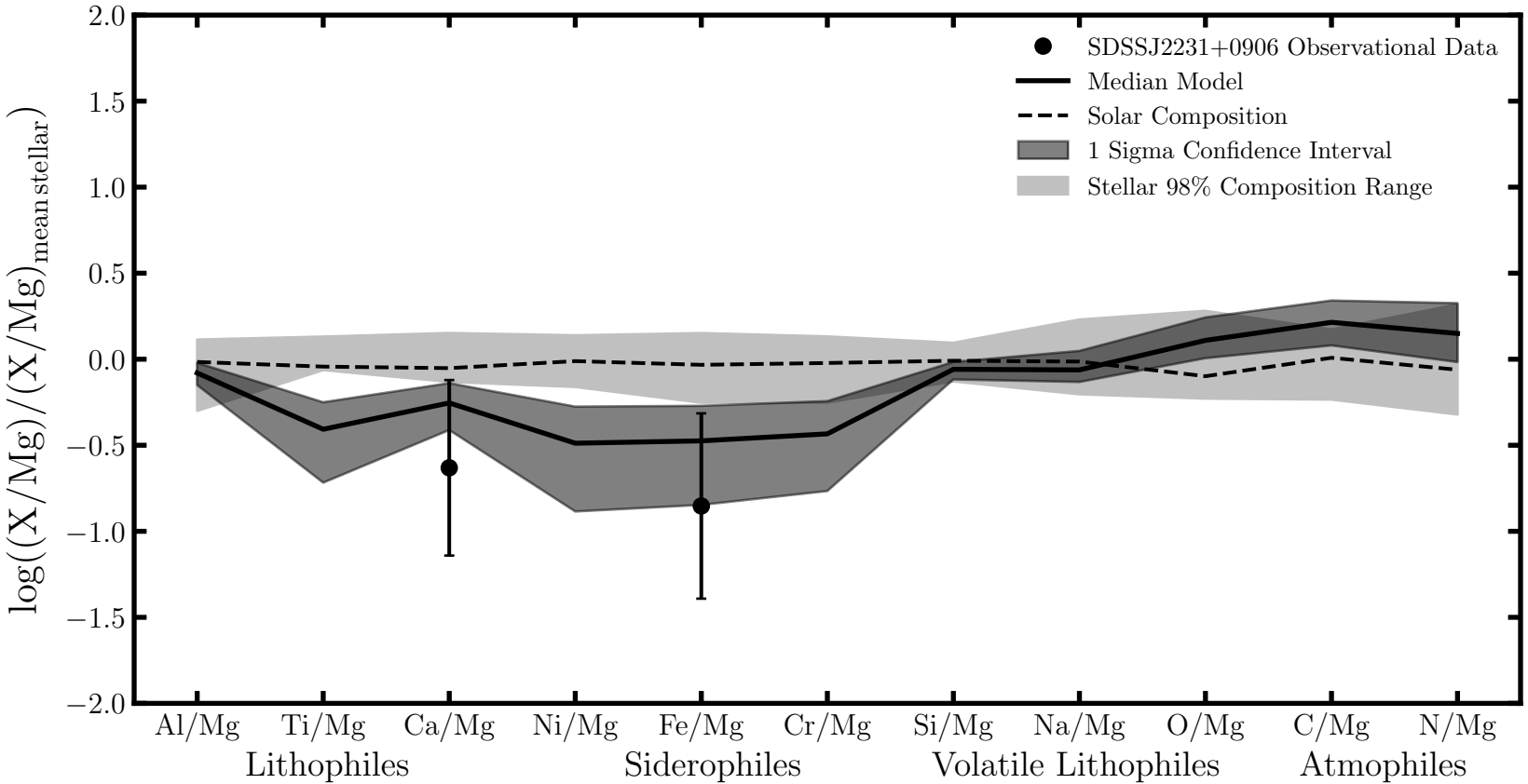

SDSSJ2110+0512 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

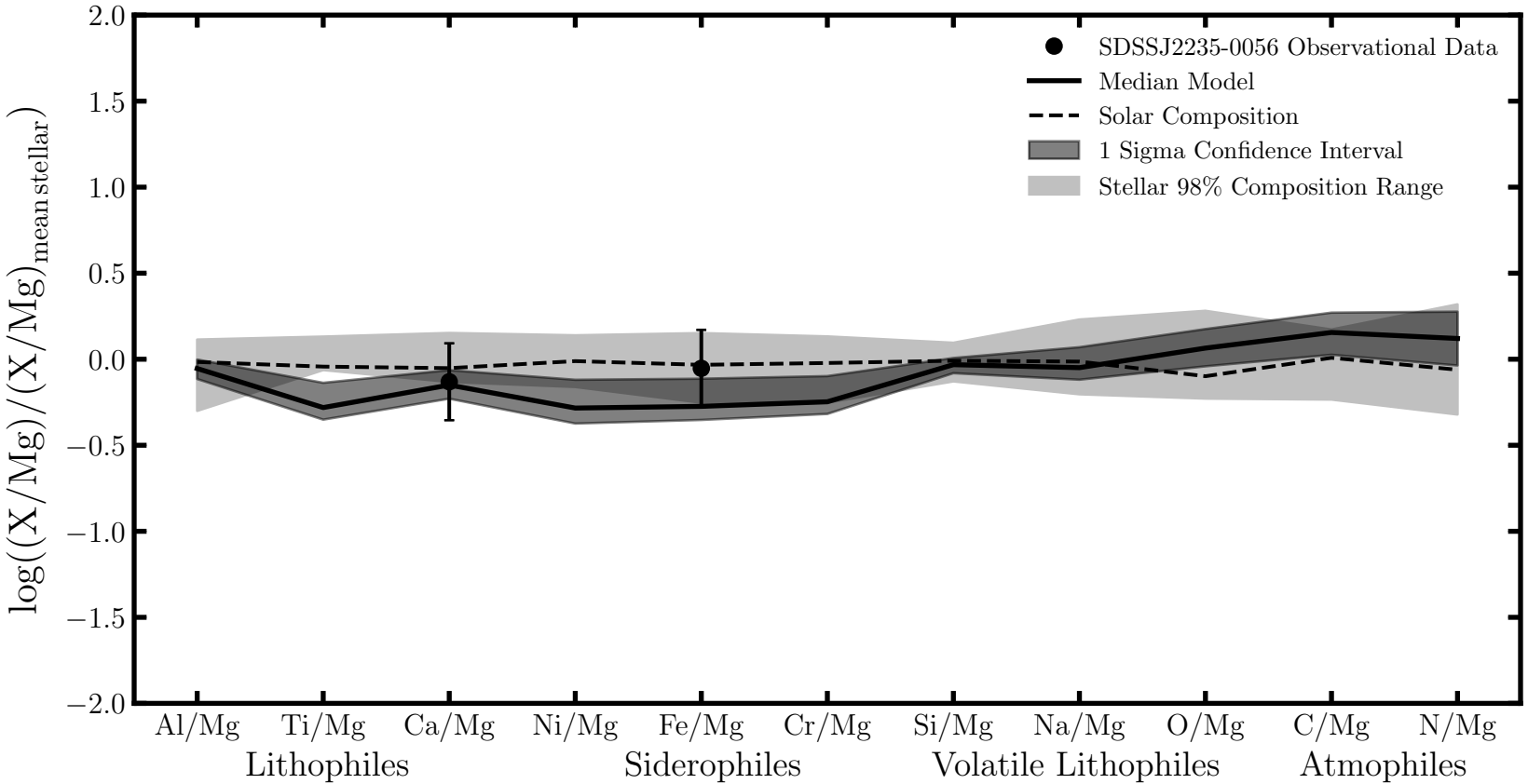

SDSSJ2123+0016 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

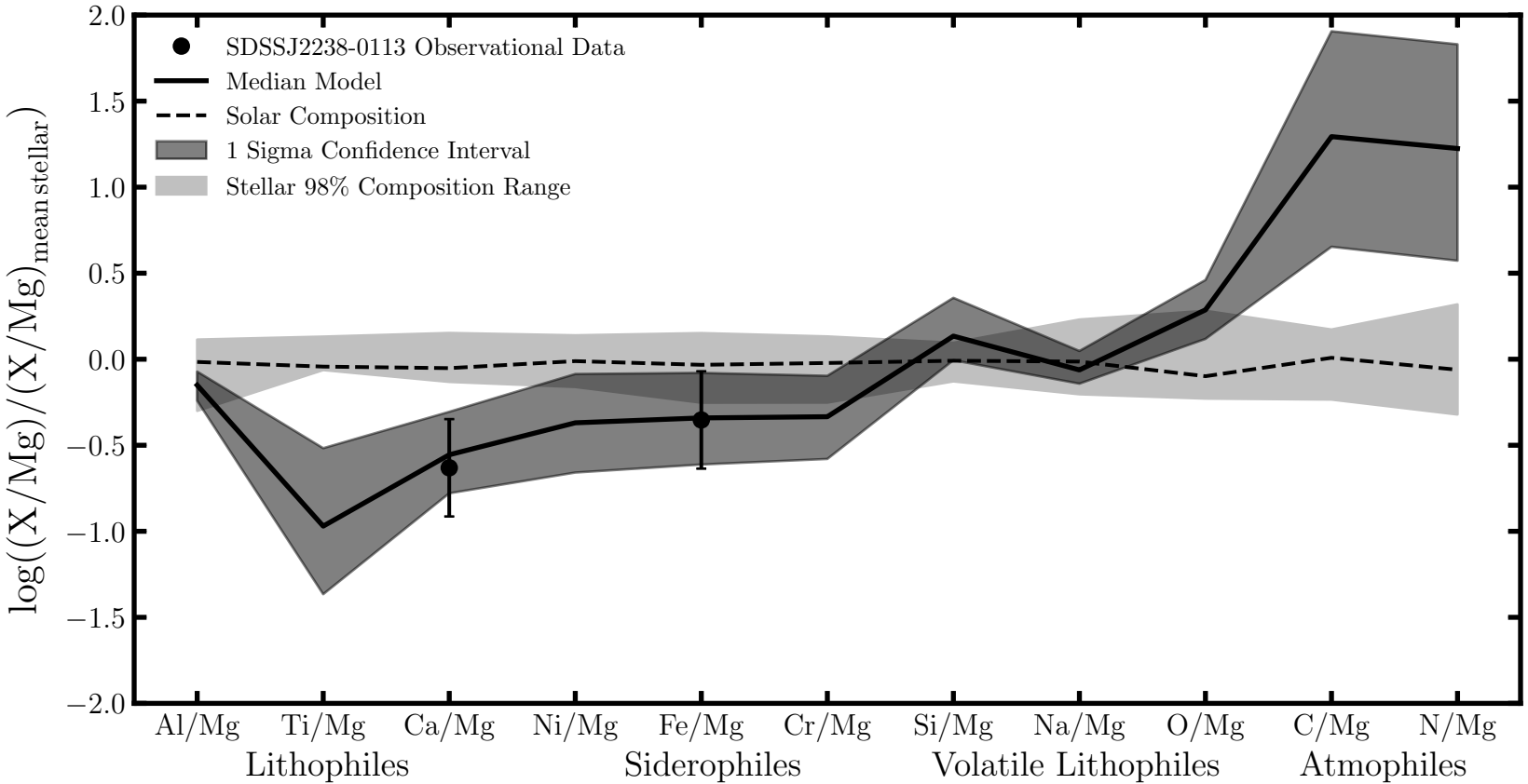

SDSSJ2157+1206 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

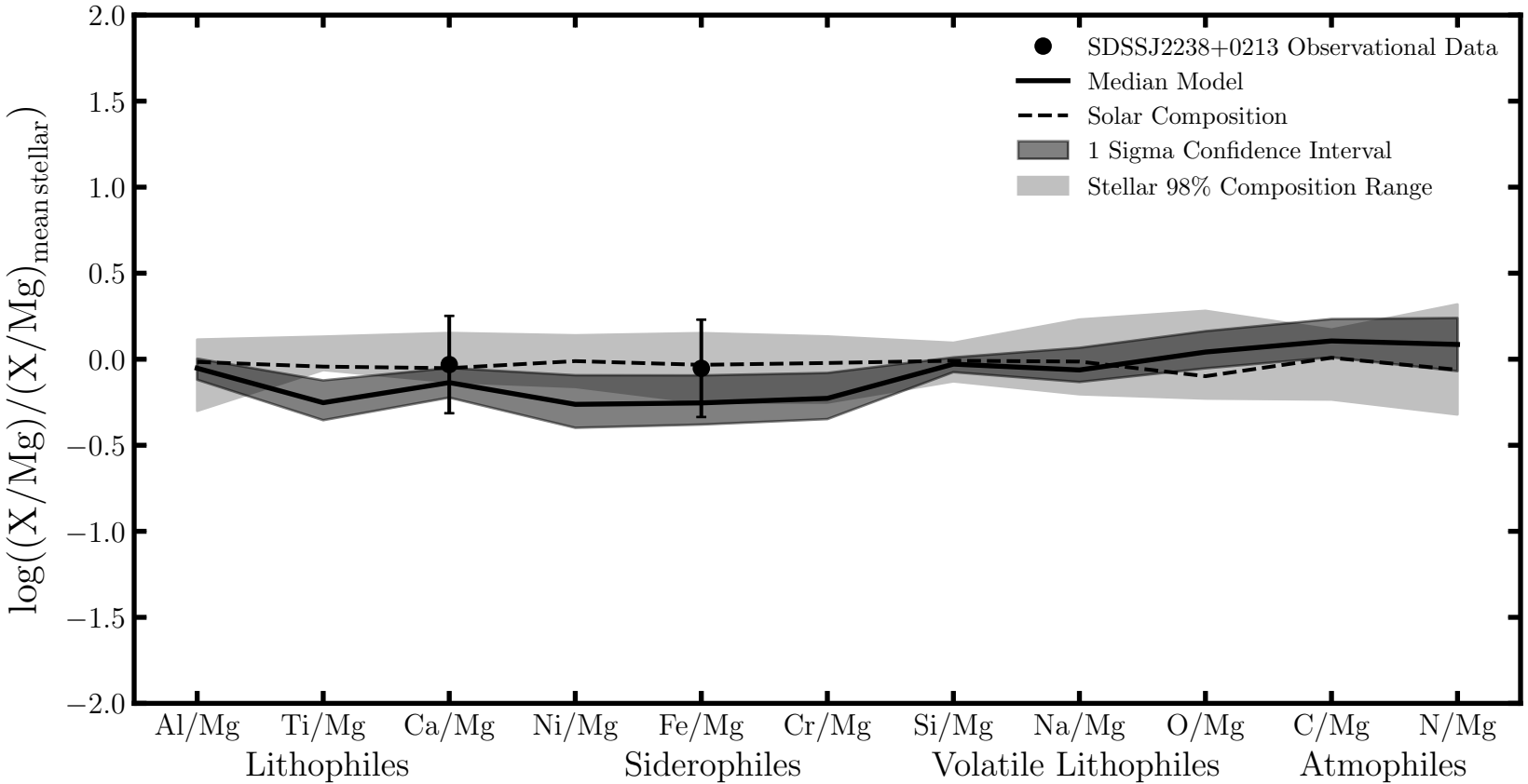

SDSSJ2225+2338 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

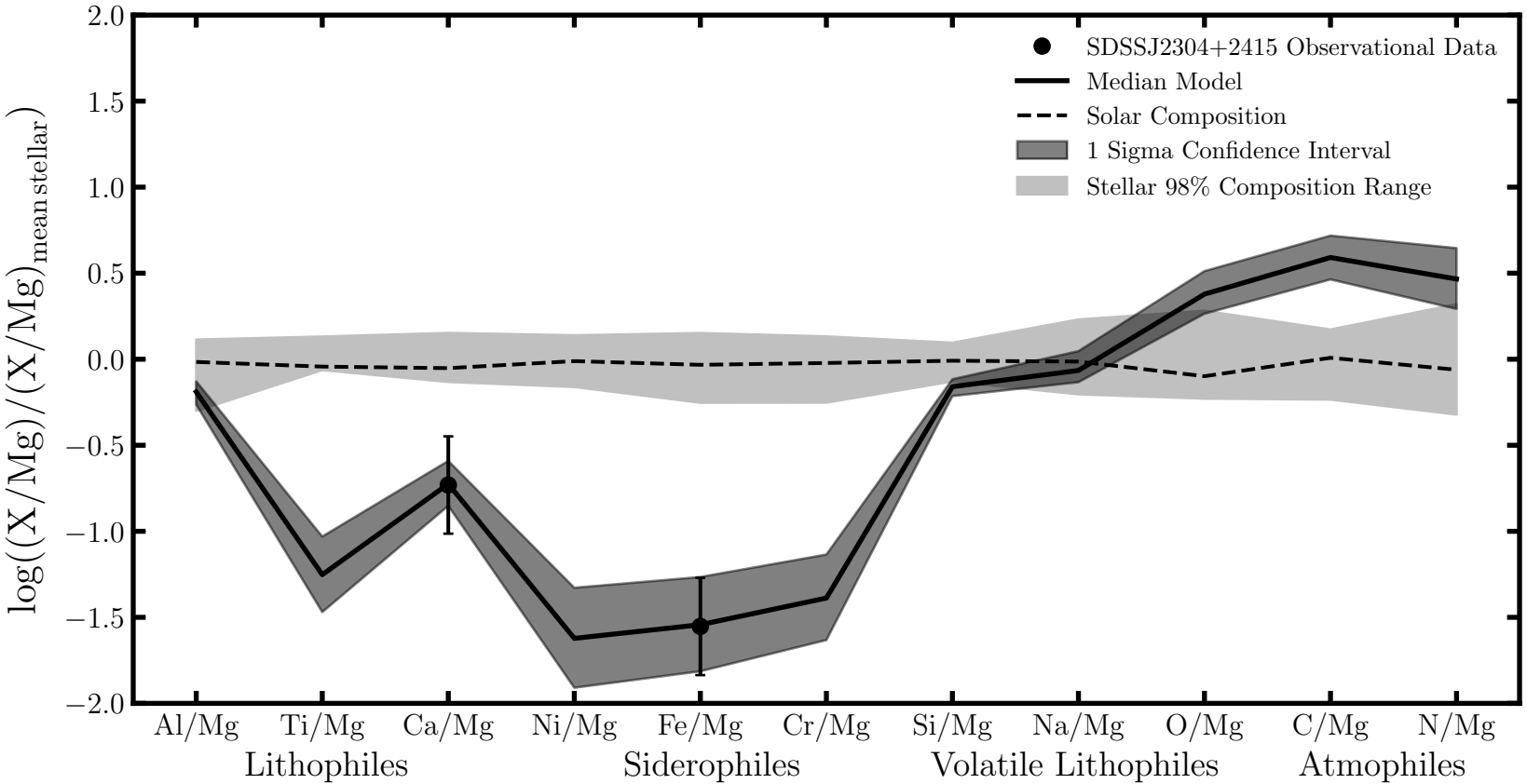

SDSSJ2230+1905 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

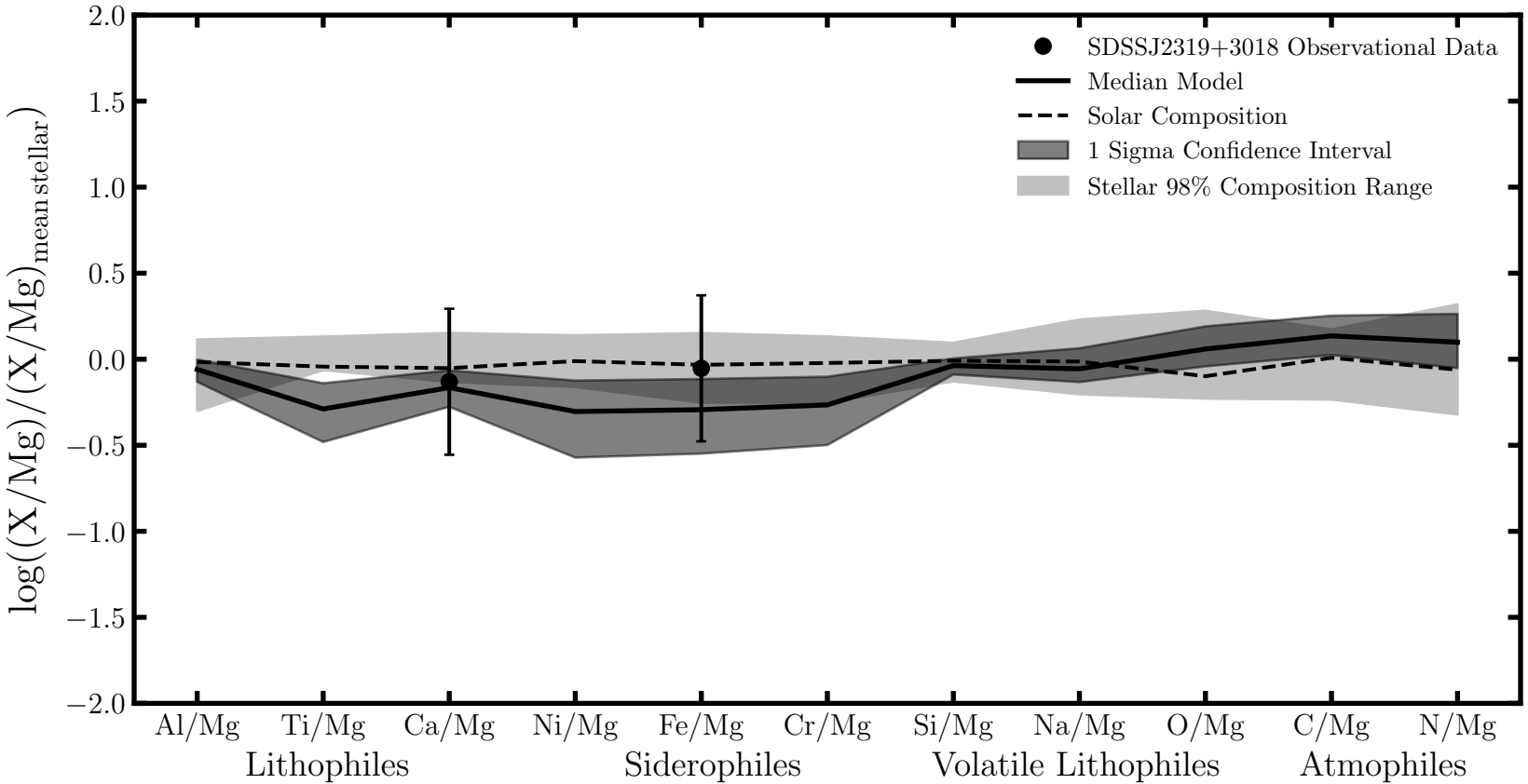

SDSSJ2231+0906 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

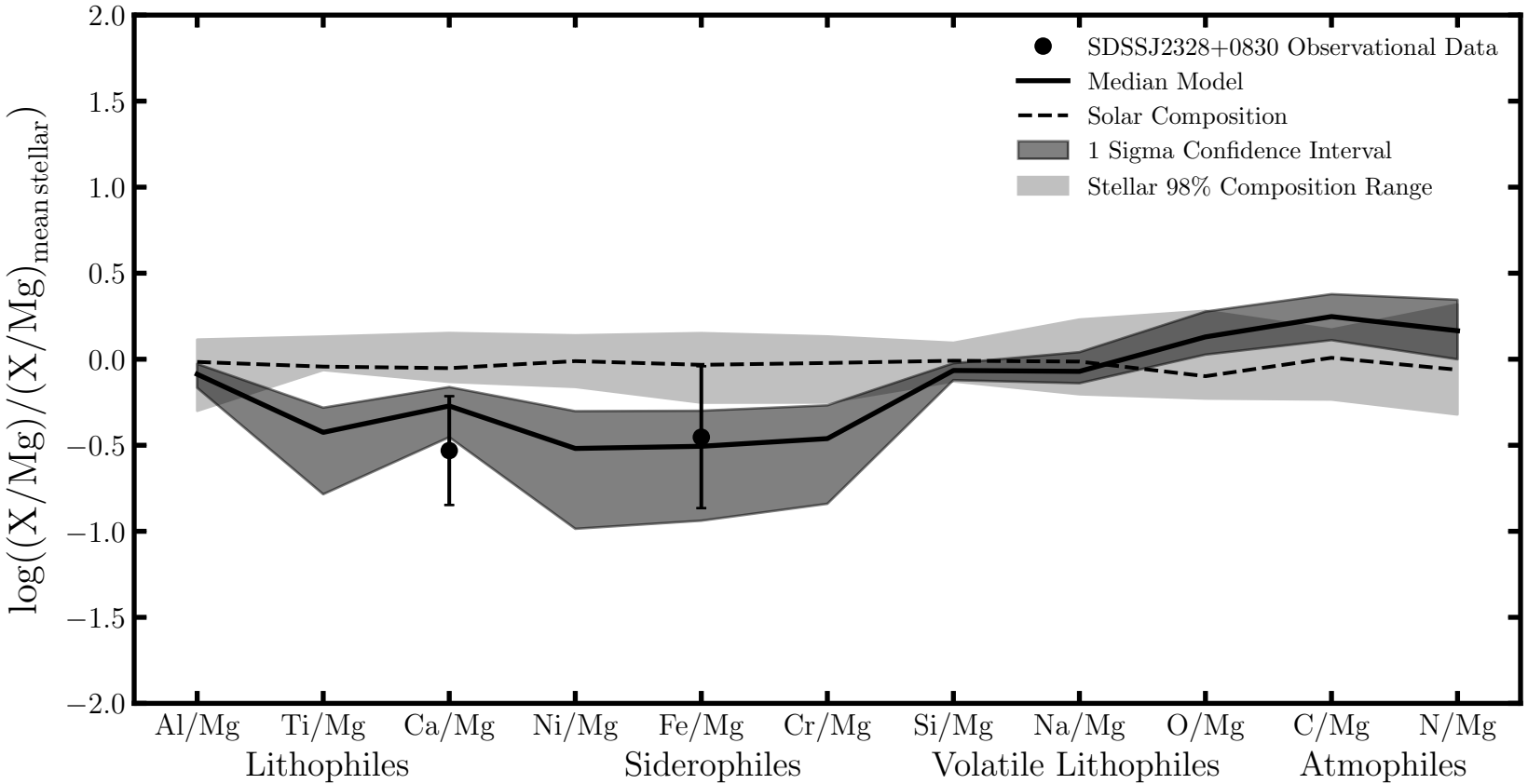

SDSSJ2235-0056 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

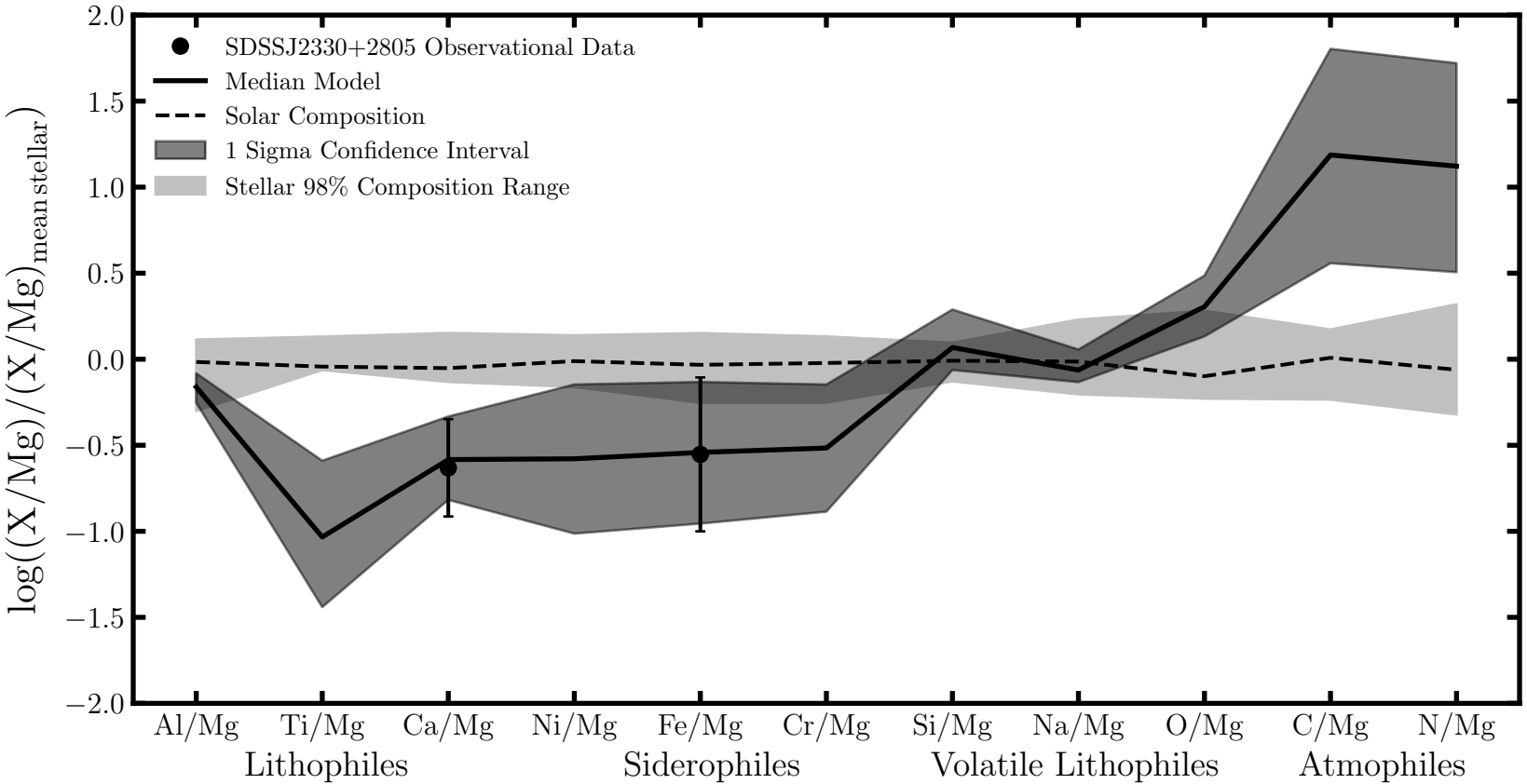

SDSSJ2238-0113 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

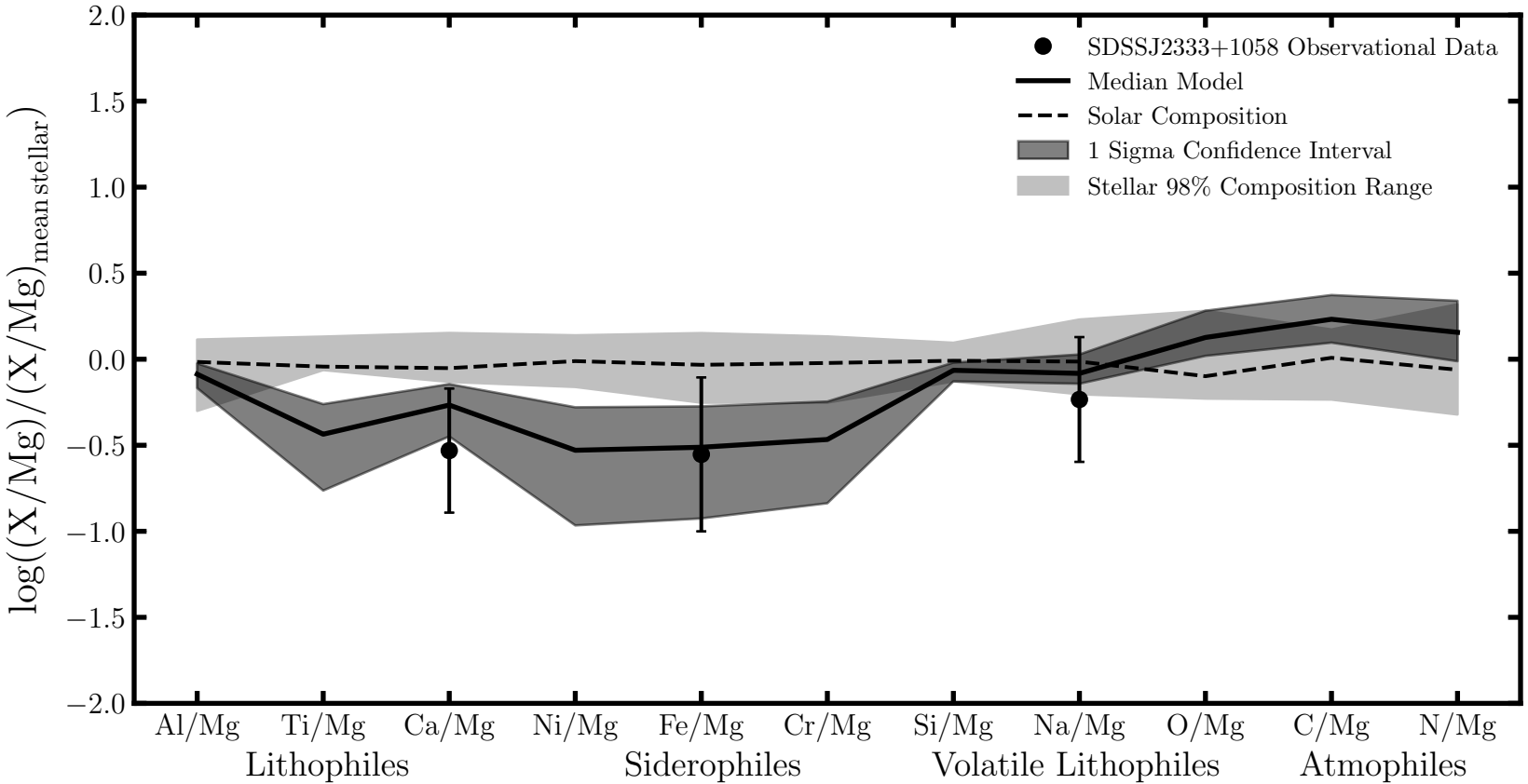

SDSSJ2238+0213 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

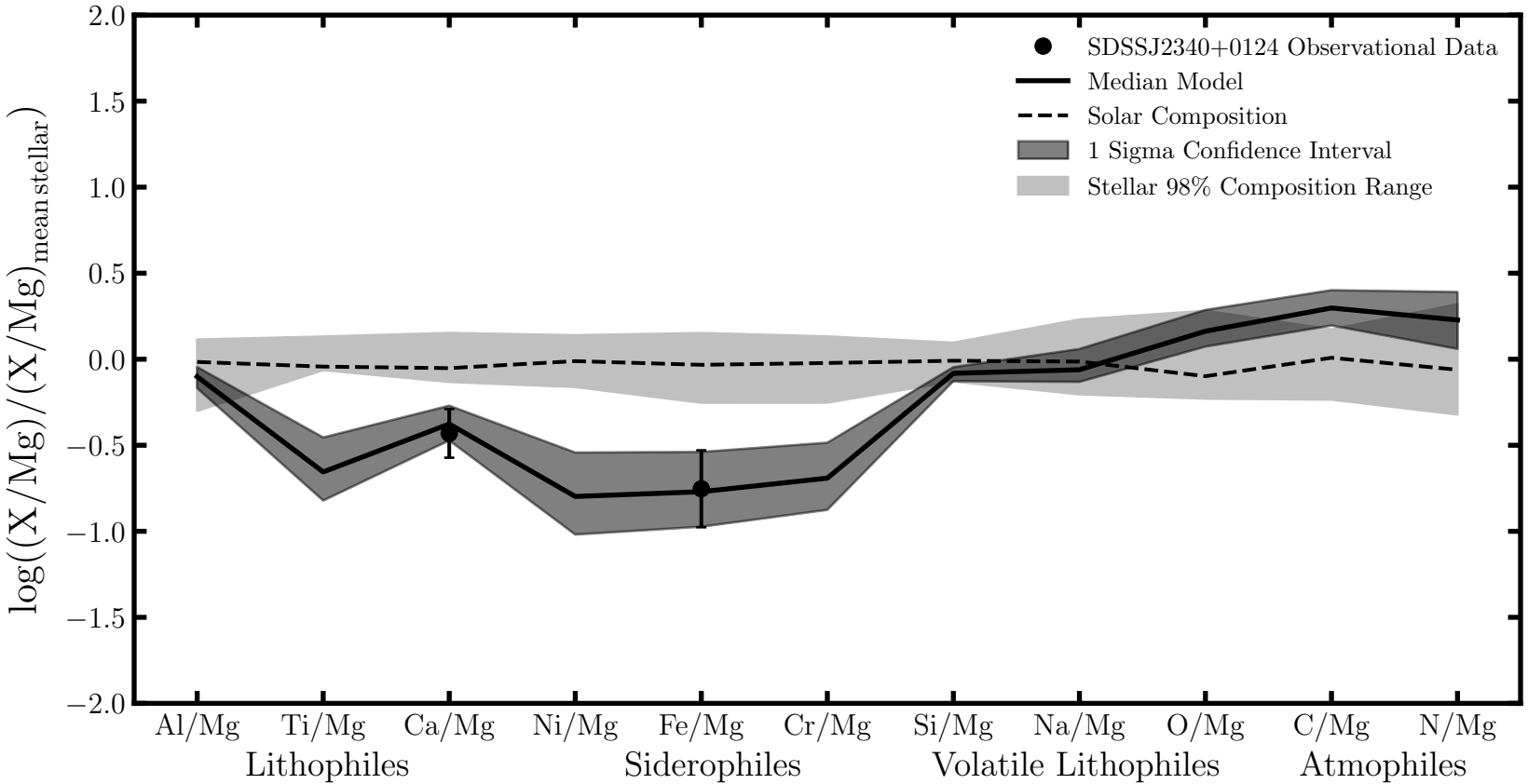

SDSSJ2304+2415 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

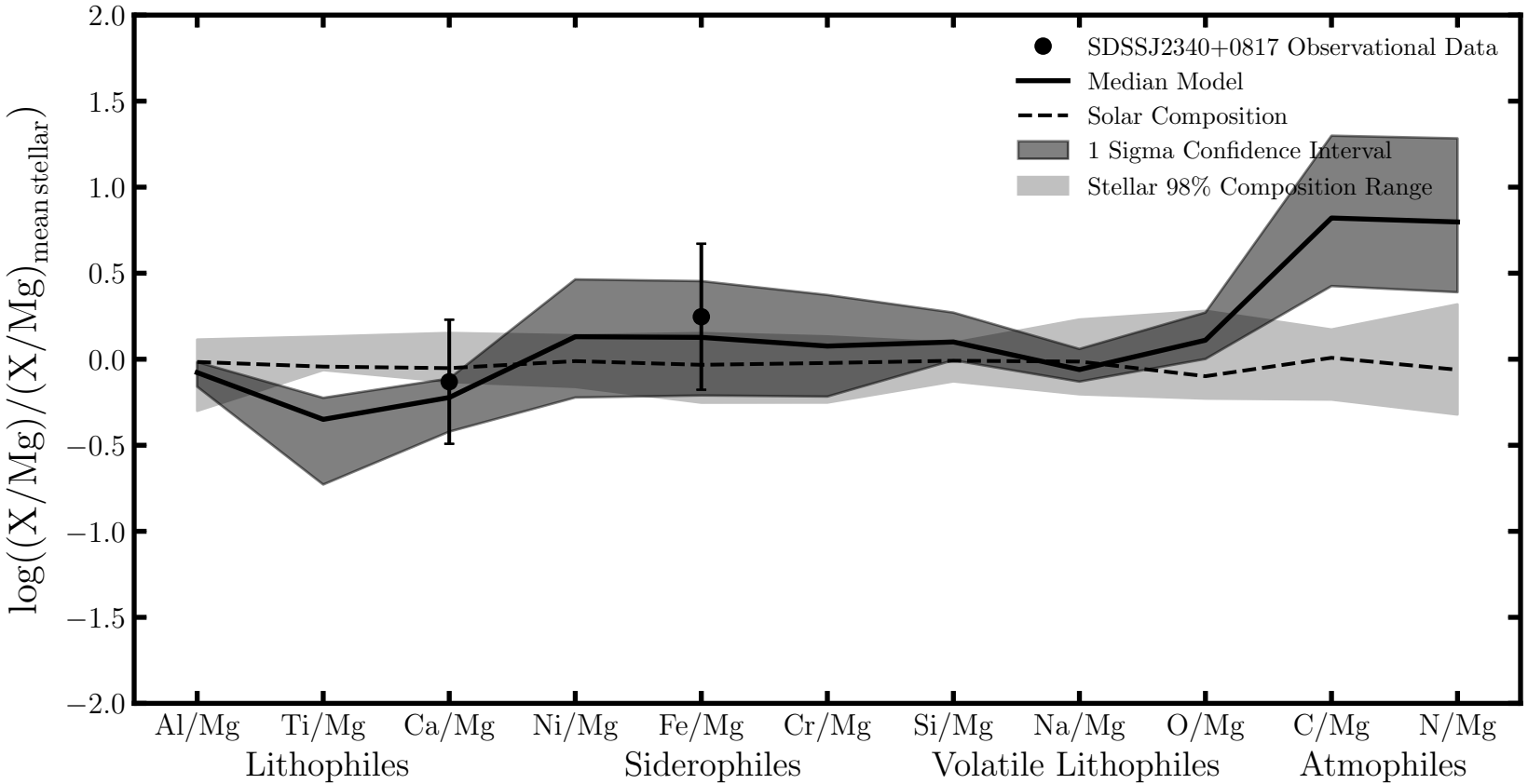

SDSSJ2319+3018 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

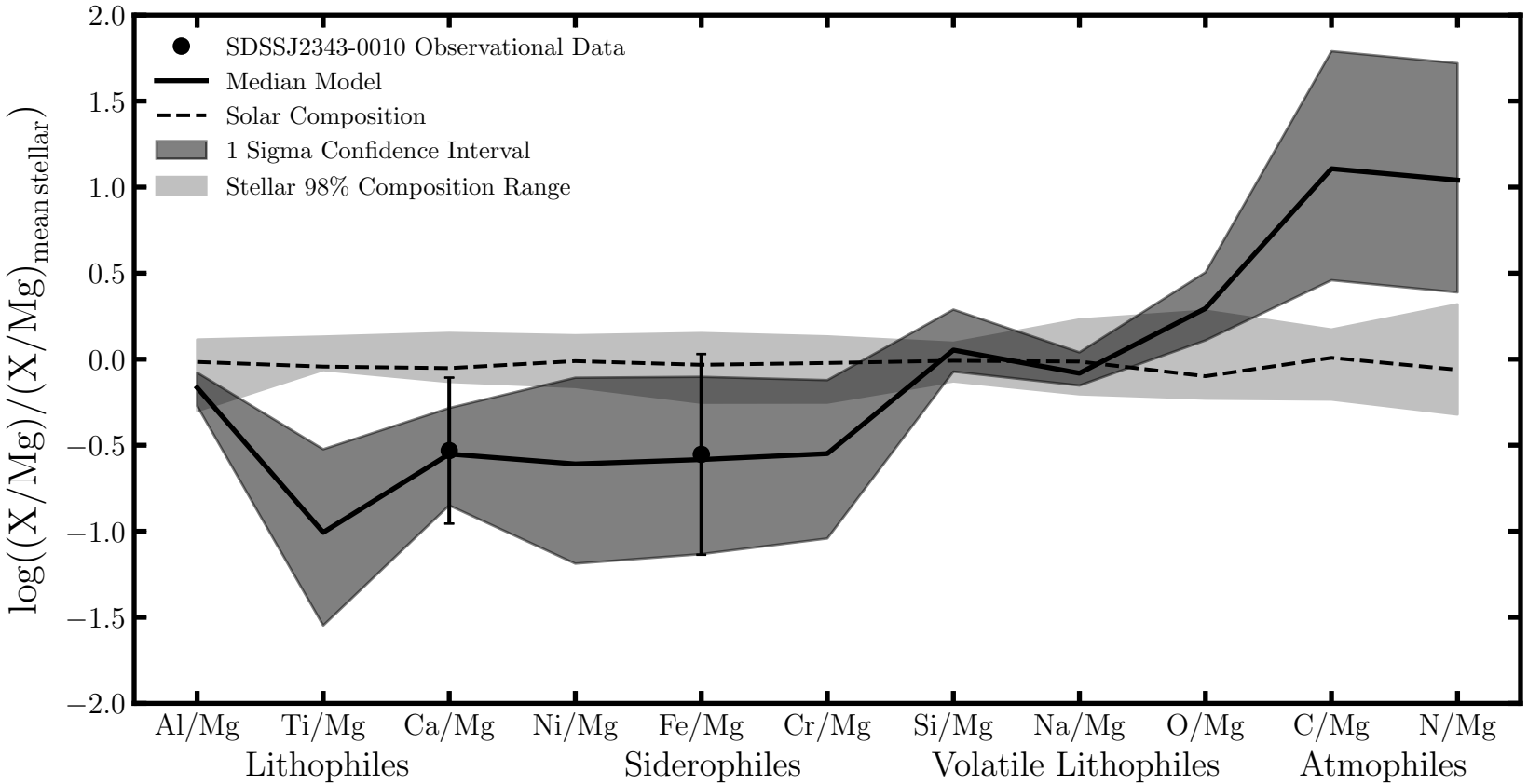

SDSSJ2328+0830 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

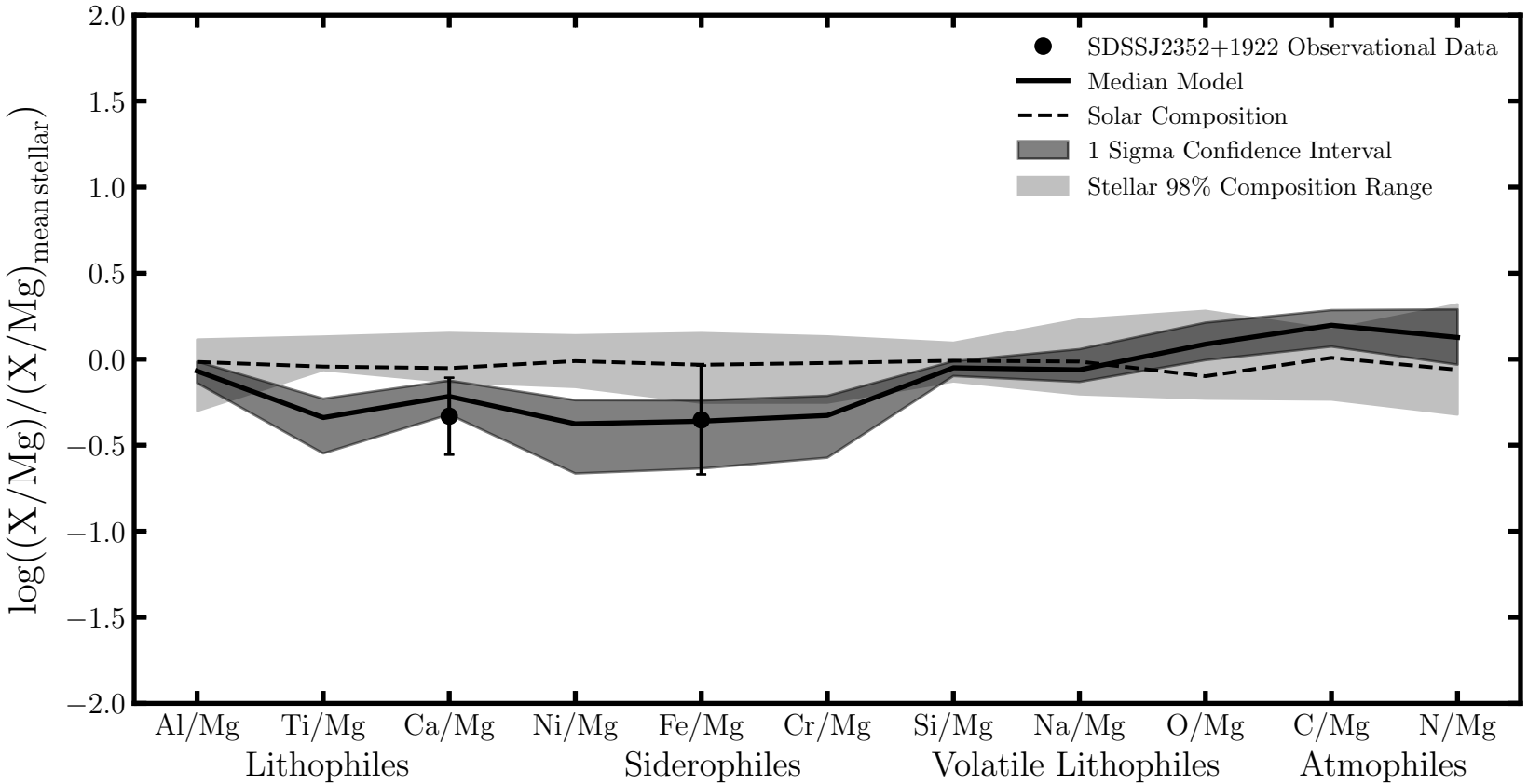

SDSSJ2330+2805 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

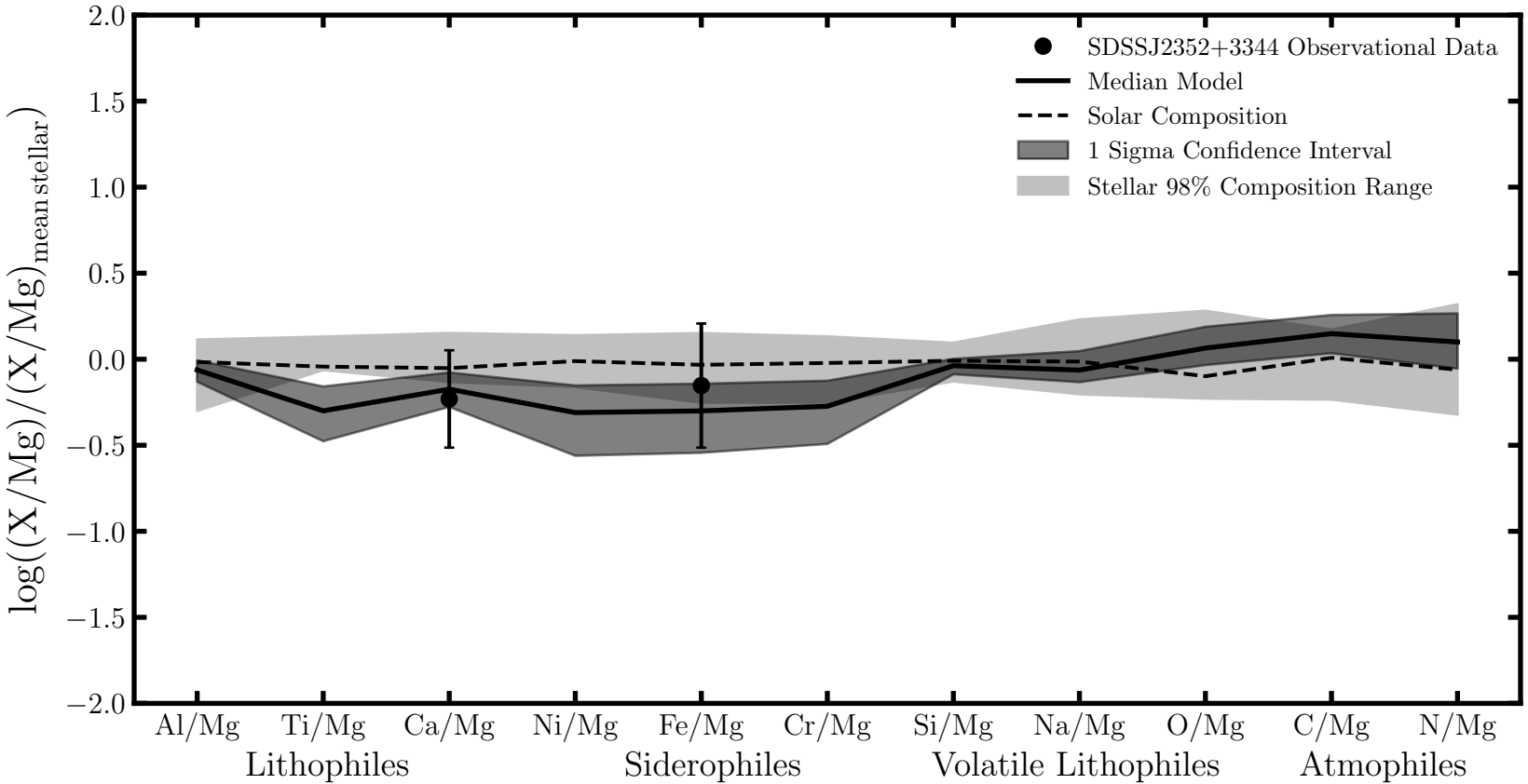

SDSSJ2333+1058 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles

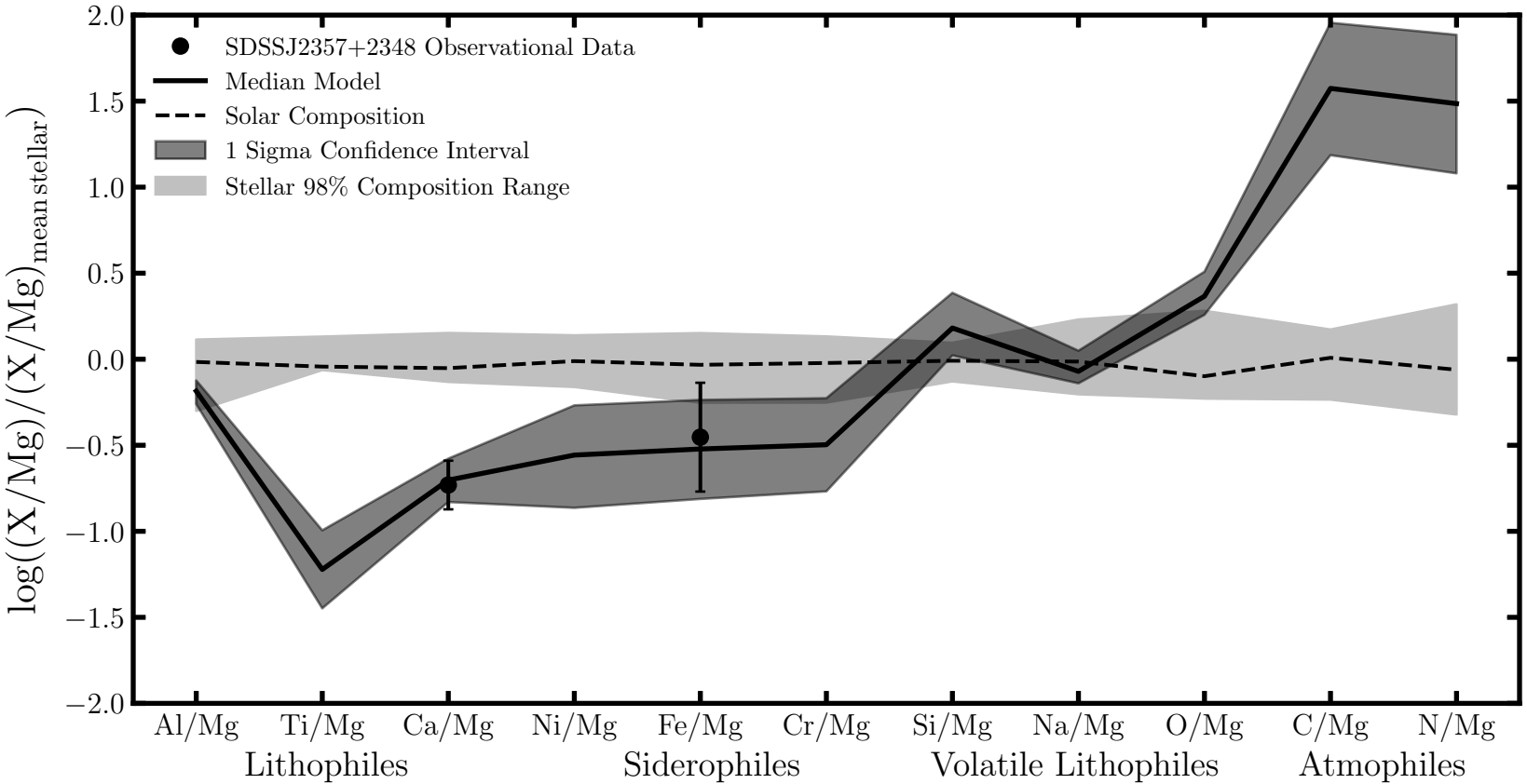

SDSSJ2340+0124 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles


SDSSJ2340+0817 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles


SDSSJ2343-0010 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles


SDSSJ2352+1922 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles


SDSSJ2352+3344 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles


SDSSJ2357+2348 Observational Data
Median Model
Solar Composition
1 Sigma Confidence Interval
Stellar 98% Composition Range
log((X/Mg)/(X/Mg)mean stellar)
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Al/Mg
Ti/Mg
Ca/Mg
Ni/Mg
Fe/Mg
Cr/Mg
Si/Mg
Na/Mg
O/Mg
C/Mg
N/Mg
Lithophiles
Siderophiles
Volatile Lithophiles
Atmophiles