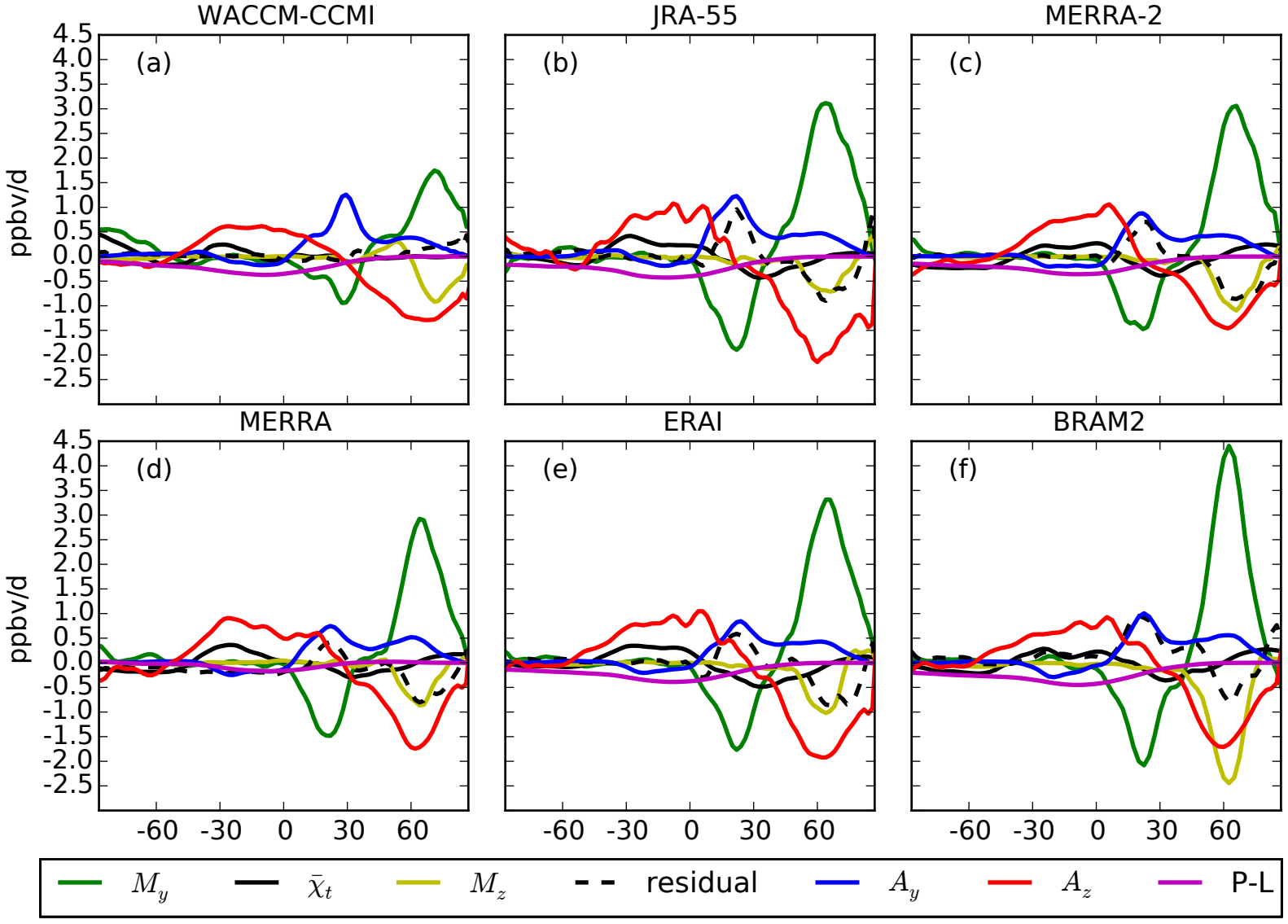
WACCM-CCMI
JRA-55
MERRA-2
MERRA
ERAI
BRAM2
(a)
(b)
(c)
(d)
(e)
(f)
ppbv/d
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
-60
-30
0
30
60
M_y
$\bar{\chi}_t$
M_z
residual
A_y
A_z
P-L