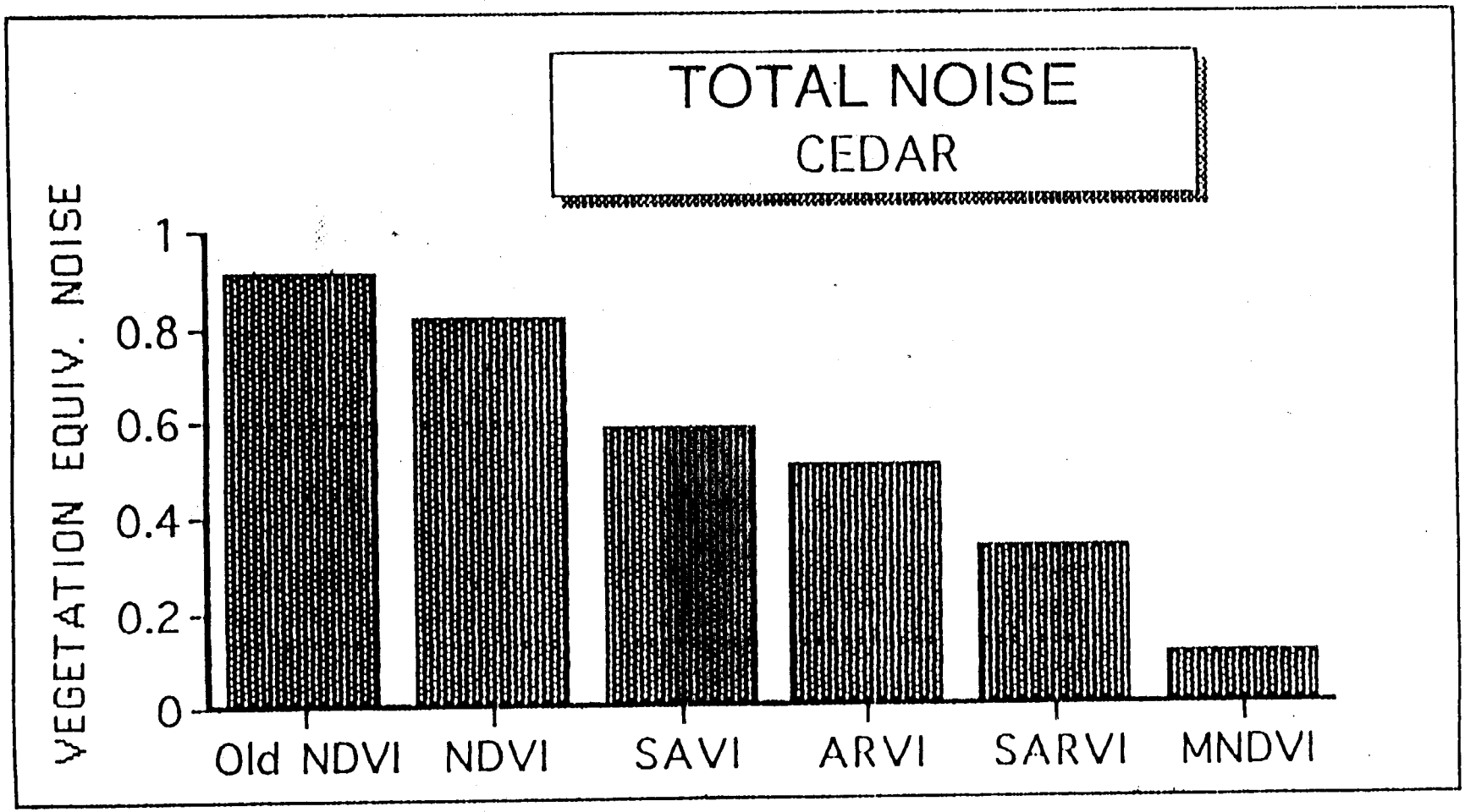
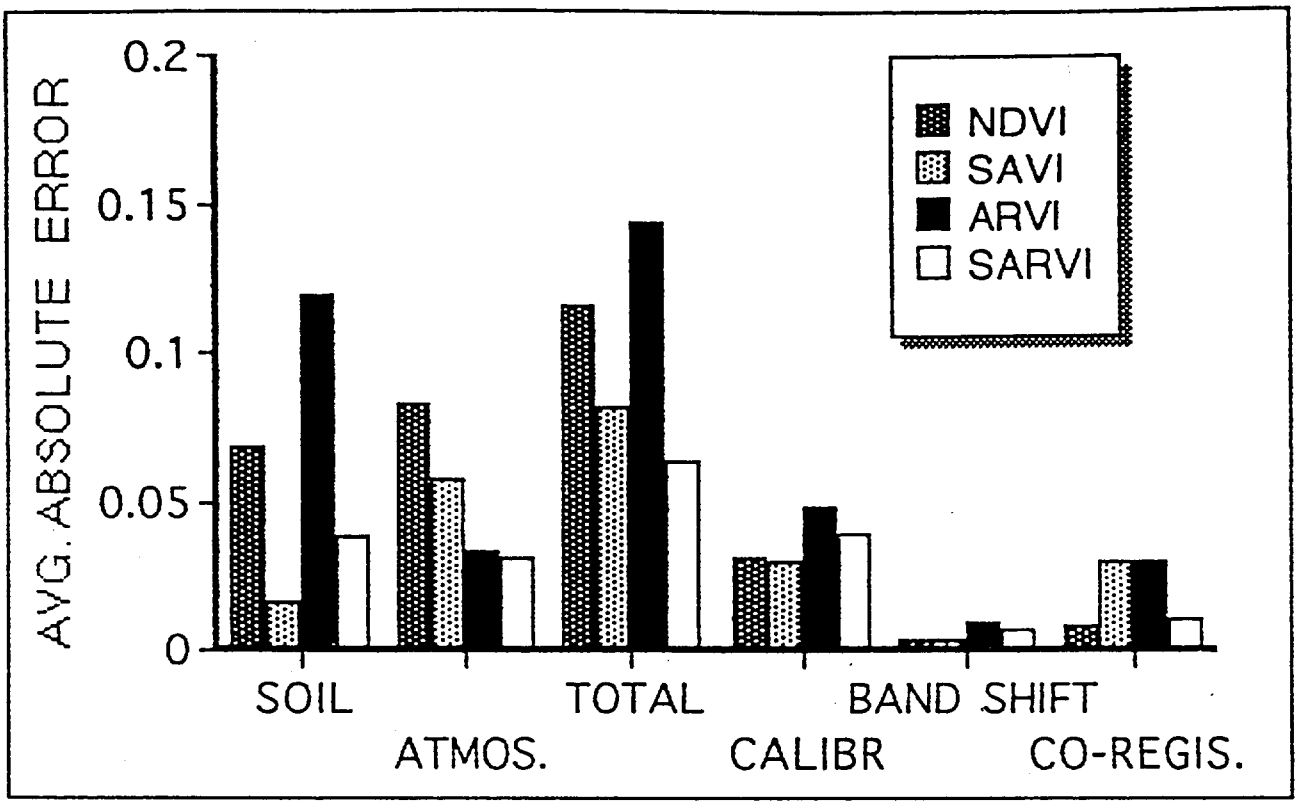
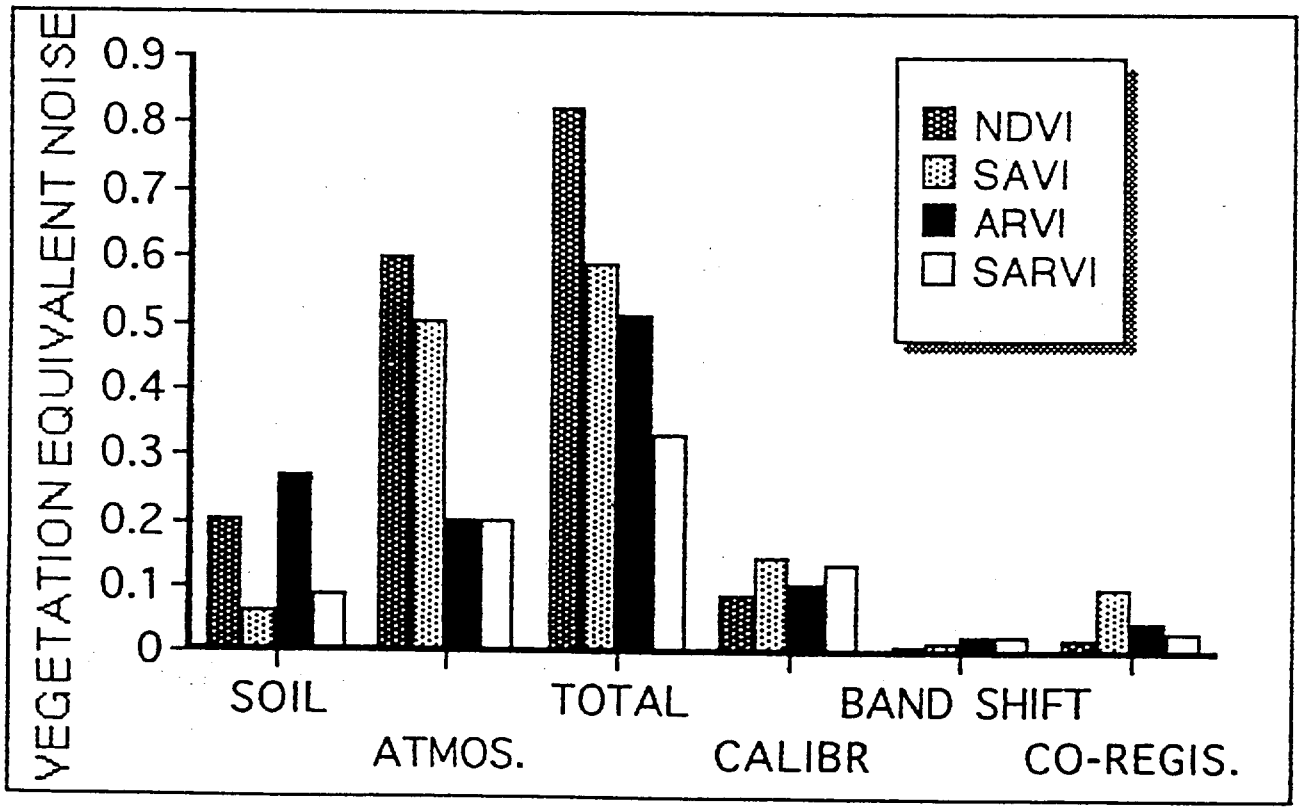
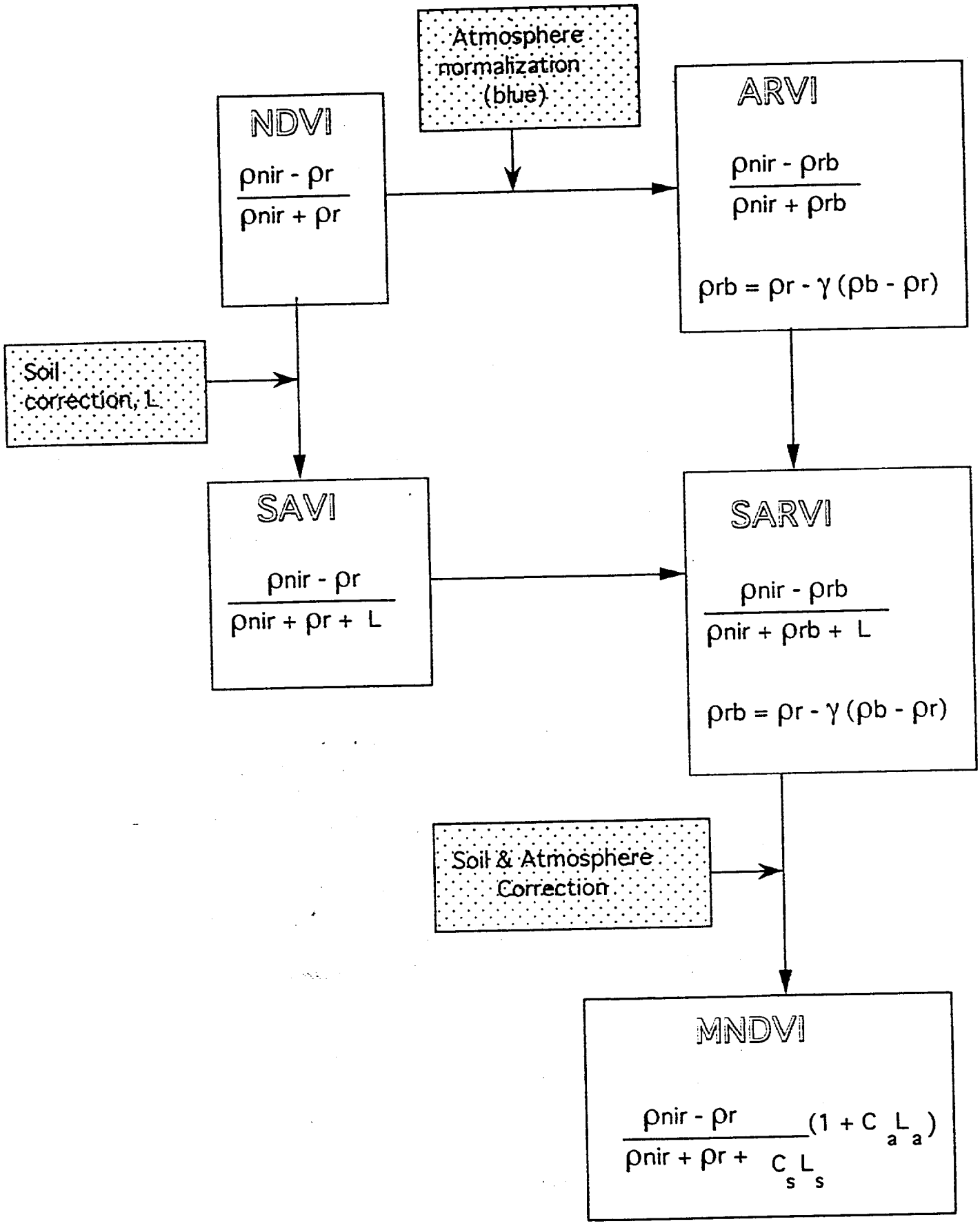

TOTAL NOISE
CEDAR
VEGETATION EQUIV. NOISE
1
0.8
0.6
0.4
0.2
0
Old NDVI
NDVI
SAVI
ARVI
SARVI
MNDVI


AVG. ABSOLUTE ERROR
0.2
0.15
0.1
0.05
0
NDVI
SAVI
ARVI
SARVI
SOIL
ATMOS.
TOTAL
CALIBR
BAND SHIFT
CO-REGIS.


VEGETATION EQUIVALENT NOISE
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
NDVI
SAVI
ARVI
SARVI
SOIL
ATMOS.
TOTAL
CALIBR
BAND SHIFT
CO-REGIS.


Atmosphere normalization (blue)
NDVI
ρnir - ρr
ρnir + ρr
ARVI
ρnir - ρrb
ρnir + ρrb
ρrb = ρr - γ (ρb - ρr)
Soil correction, L
SAVI
ρnir - ρr
ρnir + ρr + L
SARVI
ρnir - ρrb
ρnir + ρrb + L
ρrb = ρr - γ (ρb - ρr)
Soil & Atmosphere Correction
MNDVI
ρnir - ρr / ρnir + ρr + C_s L_s (1 + C_a L_a)