AO (AO_1, AO_2, AO_3) =
(0.33 * AO_1) + (0.33 * AO_2) + (0.33 * AO_3)

AO_1 (KE_3) = exp(0.213429257 + 0.008633094*KE_3)/(1+exp(0.213429257 + 0.008633094*KE_3))

AO_2 (KE_6) = exp(0.213429257 + 0.008633094*KE_6)/(1+exp(0.213429257 + 0.008633094*KE_6))

AO_3 (KE_11) = exp(0.213429257 + 0.008633094*KE_11)/(1+exp(0.213429257 + 0.008633094*KE_11))

KE_1 (MIE) = 5.6528627 + 0.436988129*MIE

KE_10 (KE_9) = 0.854479526   + 10425.67045*KE_9

KE_11 (KE_10) = 4.62808236 + 9.273264211*KE_10

KE_2 (KE_1) = 2.45E-10 + 6.47E-14*KE_1

KE_3 (KE_2) = 4.017414459+ 39823293941*KE_2

KE_4 (MIE) = 1.073805687 + 0.010166653*MIE

KE_5 (KE_4) = 1.047178392 - 0.246300692*KE_4

KE_6 (KE_6_1, KE_6_2) = 0.5 * KE_6_1 + 0.5 * KE_6_2

KE_6_1 (KE_5) = 0.363314411 + 0.864242936*KE_5

KE_6_2 (KE_8) = 0.111020323 + 0.705048077*KE_8

KE_7 (MIE) = 0.908159591 - 0.006592763*MIE

KE_8 (KE_7) = 0.746279448 + 0.6476926*KE_7

KE_9 (MIE) = 5.93E-06 + 2.02E-07*MIE

MIE (UV) = 7.054296 + 58.248894*UV