```
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Saved: 9/12/13 10:56:24 AM
                                               Printed For: Daniel M. Topa
    1 module raw_arrays
    2
        use constants and parameters
    3
        implicit none
    4
    5
        type
                                          :: array_characteristics
    6
    7
                                          :: array_max = zero
          real (wp)
    8
                                          :: array_min = zero
          real (wp)
    9
                                          :: array_mean = zero
         real ( wp )
   10
          real (wp)
                                          :: array_sd = zero
   11
   12
        end type
                                             array_characteristics
   13
   14
      end module raw_arrays
   15
   16
      module HELIOS files
   17
   18
     ! use constants_and_parameters
   19
        use linear_regression_results
   20
        use raw_arrays
   21
        implicit none
   22
   23
                                          :: HELIOS_output
        type
   24
   25
          ! HELIOS output
   26
                                          :: array_scaled ( num_pts_temp,
          real (wp)
   27
          real (wp)
                                          :: array_normalized ( num_pts_temp,
   28
   29
          type ( array_characteristics ) :: array_scaled_characteristics
   30
          type ( array characteristics ) :: array normalized characteristics
   31
   32
                                          :: pts_temp
                                                              ( 1 : num_pts_t
          real ( wp )
   33
          real (wp)
                                          :: pts_density ( 1 : num_pts_d
   34
   35
          type ( lr results )
                                          :: pts temp lr
   36
          type ( lr_results )
                                          :: pts_density_lr
```

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	/dantopa/Dropbox/fortra…on/lima/mod 9/12/13 10:56:24 AM	HELIOS output.f90 Printed For: Dan	
38 39 40	end type	HELIOS_output	
41	end module HELIOS_files		
			\int