

2.9 Monthly Gridded Cloud Averages (ISCCP-D2like-Day/Nit)

The Monthly Gridded Cloud Averages (ISCCP-D2like-Day/Nit) archival data product contains 3-hourly (GMT based) monthly and monthly 1° gridded regional mean cloud properties as a function of 18 cloud types, similar to the [ISCCP D2](#) product, where the cloud properties are stratified by pressure, optical depth, and phase. There is a dataset for Terra-MODIS and Aqua-MODIS as well as a day and nighttime dataset. The retrievals and therefore the quality are different for each dataset. For the MODIS-based ISCCP-D2like products the cloud amounts for 42 cloud types, similar to the [ISCCP D1](#) product, are also available. Input to the Subsystem is the Single Scanner Footprint TOA/Surface Fluxes and Clouds (SSF) archival data product. Each ISCCP-D2like covers a single month swath from a single CERES instrument mounted on one satellite. The science data are Science Data Sets (SDSs) with multiple records. Each record contains spatially averaged data for an individual region. All Edition ISCCP-D2like HDF files from Terra/Aqua, GEO composite and merged products, will have the same structure and read program and will be different from this current Beta1 version.

The major categories of data output on the ISCCP-D2like-Day and ISCCP-D2like-Nit HDF files are as follows:

- D2like-Day/Nit 18 Cloud Types for monthly-3 hourly/monthly
- D1like-Day/Nit 42 Cloud Type Fractions

A complete listing of metadata and gridded science parameters for this data product can be found in [Table 2.9-1](#) through [Table 2.9-26](#).

Level: 3

Frequency: 1/Month

Portion of Atmosphere Covered: Surface and TOA

Time Interval Covered:

File: 1 Month

Record: 1 Month

Portion of Globe Covered:

File: Entire Global

Record: 1-Deg Regions

Product Version:

TRMM: N/A

Terra: Beta1

Aqua: Beta1

ISCCP-D2like-Day/Nit Metadata

The ISCCP-D2like-Day/Nit metadata are summarized in [Table 2.9-1](#). These metadata contain information that need only be recorded once per product. The CERES metadata are listed in [Appendix B](#). [Table B-1](#) lists the CERES Baseline Header Metadata and [Table B-2](#) lists the CERES_metadata Vdata.

Table 2.9-1. ISCCP-D2like-Day/Nit Metadata Summary

HDF Name	Description Table	Records	Number of Fields
CERES Baseline Header Metadata	Table B-1	1	36
CERES_metadata Science Data	Table B-2	1	14

All of the ISCCP-D2like science data are organized into the HDF Grid data type and are contained in one ISCCP-D2like HDF file, which are shown in [Table 2.9-2](#) to [Table 2.9-5](#). Each table contains a list of the parameters, including SDS index, SDS Name, data type, units, range, and number of elements within each field.

[Table 2.9-2](#) through [Table 2.9-5](#) contain the Vgroup listings following the HDF file structure.

[Table 2.9-6](#) through [Table 2.9-7](#) contain the SDS index numbers as a function of cloud property and are organized by the 18 D2 cloud types.

[Table 2.9-8](#) through [Table 2.9-9](#) contain the SDS index numbers as a function of cloud property and are organized by the 42 D1 cloud types.

Table 2.9-2. Temporal Vgroups

Vgroup Number	Vgroup Name	Monthly 3-Hourly Averages/ Monthly Averages
1	Monthly 3-Hourly Averages	See Table 2.9-3
2	Monthly Averages	See Table 2.9-3

Table 2.9-3. Vgroup Types

Vgroup Number	Vgroup Name	Monthly 3-Hourly Averages/ Monthly Averages
1	D2-like 18 Cloud Types	See Table 2.9-4
2	D1-like 42 Cloud Type Fractions	See Table 2.9-5

Table 2.9-4. ISCCP-D2like 18 Cloud Types

Vgroup Number	Vgroup Name	Monthly 3-Hourly Averages/ Monthly Averages
1	Cumulus (Low, Thin)	See Table 2.9-11
2	Stratocumulus (Low, Mid-thick)	See Table 2.9-12
3	Stratus (Low, Thick)	See Table 2.9-13
4	Altostratus (Mid, Thin)	See Table 2.9-14
5	Altostratus (Mid, Mid-thick)	See Table 2.9-15
6	Nimbostratus (Mid, Thick)	See Table 2.9-16
7	Cirrus (High, Thin)	See Table 2.9-17
8	Cirrostratus (High, Mid-thick)	See Table 2.9-18
9	Deep Convection (High, Thick)	See Table 2.9-19

Table 2.9-5. ISCCP-D1like 42 Cloud Type Fractions

Vgroup Number	Vgroup Name	Monthly 3-Hourly Averages/ Monthly Averages
1	10-180mb	See Table 2.9-20
2	180-310mb	See Table 2.9-21
3	310-440mb	See Table 2.9-22
4	440-560mb	See Table 2.9-23
5	560-680mb	See Table 2.9-24
6	680-800mb	See Table 2.9-25
7	800-1000mb	See Table 2.9-26

Table 2.9-6. Table of ISCCP-D2like 18 cloud types of the Monthly 3-Hourly Averages

SDS Index of each V Group number									Monthly 3-Hourly			
1	2	3	4	5	6	7	8	9	SDS Name	Data Type	Units	Range
00	18	36	54	72	90	108	126	144	Total Number Of Observations	32-Bit Float	N/A	N/A
01	19	37	55	73	91	109	127	145	Total Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
02	20	38	56	74	92	110	128	146	Liquid Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
03	21	39	57	75	93	111	129	147	Liquid Effective Pressure	32-Bit Float	hPa	0 .. 1100
04	22	40	58	76	94	112	130	148	Liquid Effective Temperature	32-Bit Float	K	100 .. 350
05	23	41	59	77	95	113	131	149	Liquid Optical Depth -	32-Bit Float	N/A	0 .. 400
06	24	42	60	78	96	114	132	150	Liquid Log Optical Depth	32-Bit Float	N/A	-6 .. 6
07	25	43	61	79	97	115	133	151	Liquid Water Path	32-bit Float	g m ⁻²	0 .. 10000
08	26	44	62	80	98	116	134	152	Liquid Water Particle Radius	32-bit Float	μm	0 .. 40
09	27	45	63	81	99	117	135	153	Liquid Infrared Emissivity	32-bit Float	N/A	0 .. 1
10	28	46	64	82	100	118	136	154	Ice Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
11	29	47	65	83	101	119	137	155	Ice Effective Pressure	32-Bit Float	hPa	0 .. 1100
12	30	48	66	84	102	120	138	156	Ice Effective Temperature	32-Bit Float	K	100 .. 350
13	31	49	67	85	103	121	139	157	Ice Linear Optical Depth	32-Bit Float	N/A	0 .. 400
14	32	50	68	86	104	122	140	158	Ice Log Optical Depth	32-Bit Float	N/A	-6 .. 6
15	33	51	69	87	105	123	141	159	Ice Water Path	32-Bit Float	g m ⁻²	0 .. 10000
16	34	52	70	88	106	124	142	160	Ice Water Particle Diameter	32-Bit Float	μm	0 .. 300
17	35	53	71	89	107	125	143	161	Ice Infrared Emissivity	32-Bit Float	N/A	0 .. 1

Each monthly 3-hourly SDS index has 8*180*360 elements. See [Table 2.9-4](#) for the list of D2 Vgroup numbers. The 18 cloud types are the combination of the 9 Vgroups x cloud phase. See [Table 2.14-7](#) for a complete list of the 8 GMT-based monthly 3-hourly time indices (from ISCCP-D2like-GEO). See [Table 2.14-8](#) for the definition of the 180*360 regions (from ISCCP-D2like-GEO).

Red = Liquid Cloud Phase
 Blue = Ice Cloud Phase

Table 2.9-7. Table of D2 like 18 cloud types of the Monthly Averages

SDS Index of each V Group number									Monthly			
1	2	3	4	5	6	7	8	9	SDS Name	Data Type	Units	Range
183	201	219	237	255	273	291	309	327	Total Number Of Observations	32-Bit Float	N/A	N/A
184	202	220	238	256	274	292	310	328	Total Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
185	203	221	239	257	275	293	311	329	Liquid Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
186	204	222	240	258	276	294	312	330	Liquid Effective Pressure	32-Bit Float	hPa	0 .. 1100
187	205	223	241	259	277	295	313	331	Liquid Effective Temperature	32-Bit Float	K	100 .. 350
188	206	224	242	260	278	296	314	332	Liquid Optical Depth -	32-Bit Float	N/A	0 .. 400
189	207	225	243	261	279	297	315	333	Liquid Log Optical Depth	32-Bit Float	N/A	-6 .. 6
190	208	226	244	262	280	298	316	334	Liquid Water Path	32-bit Float	g m ⁻²	0 .. 10000
191	209	227	245	263	281	299	317	335	Liquid Water Particle Radius	32-bit Float	μm	0 .. 40
192	210	228	246	264	282	300	318	336	Liquid Infrared Emissivity	32-bit Float	N/A	0 .. 1
193	211	229	247	265	283	301	319	337	Ice Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
194	212	230	248	266	284	302	320	338	Ice Effective Pressure	32-Bit Float	hPa	0 .. 1100
195	213	231	249	267	285	303	321	339	Ice Effective Temperature	32-Bit Float	K	100 .. 350
196	214	232	250	268	286	304	322	340	Ice Linear Optical Depth	32-Bit Float	N/A	0 .. 400
197	215	233	251	269	287	305	323	341	Ice Log Optical Depth	32-Bit Float	N/A	-6 .. 6
198	216	234	252	270	288	306	324	342	Ice Water Path	32-Bit Float	g m ⁻²	0 .. 10000
199	217	235	253	271	289	307	325	343	Ice Water Particle Diameter	32-Bit Float	μm	0 .. 300
200	218	236	254	272	290	308	326	344	Ice Infrared Emissivity	32-Bit Float	N/A	0 .. 1

Each monthly SDS index has 1*180*360 elements. See [Table 2.9-4](#) for the list of D2 Vgroup numbers. The 18 cloud types are the combination of the 9 Vgroups x cloud phase. See [Table 2.14-7](#) for a complete list of the 8 GMT-based monthly time indices (from ISCCP-D2like-GEO). See [Table 2.14-8](#) for a complete list of the 180*360 regions (from ISCCP-D2like-GEO).

Red = Liquid Cloud Phase
 Blue = Ice Cloud Phase

Table 2.9-8. Table of ISCCP-D1like 42 cloud types of the Monthly 3-Hourly Averages

SDS Index of each V Group number							Monthly 3-Hourly			
1	2	3	4	5	6	7	SDS Name	Data Type	Units	Range
162	165	168	171	174	177	180	Total Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
163	166	169	172	175	178	181	Liquid Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
164	167	170	162	176	179	182	Ice Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0

Each monthly 3-hourly SDS index has 8*6*180*360 elements. See [Table 2.9-5](#) for the list of D1 Vgroup numbers. The 42 cloud types are the combination of the 7 Vgroups x 6 optical depth indices. See [Table 2.9-10](#) for a complete list of optical depth indices. See [Table 2.14-7](#) for a complete list of the 8 GMT-based monthly 3-hourly time indices (from ISCCP-D2like-GEO). See [Table 2.14-8](#) for a complete list of the 180*360 regions (from ISCCP-D2like-GEO).

Table 2.9-9. Table of ISCCP-D1like 42 cloud types of the Monthly Averages

SDS Index of each V Group number							Monthly 3-Hourly			
1	2	3	4	5	6	7	SDS Name	Data Type	Units	Range
345	348	351	354	357	360	363	Total Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
346	349	352	355	358	361	364	Liquid Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0
347	350	353	356	359	362	365	Ice Cloud Fraction	32-Bit Float	Percent	0.0 .. 100.0

Each monthly 3-hourly SDS index has 8*6*180*360 elements. See [Table 2.9-5](#) for the list of D1 Vgroup numbers. The 42 cloud types are the combination of the 7 Vgroups x 6 optical depth indices. See [Table 2.9-10](#) for a complete list of optical depth indices. See [Table 2.14-7](#) for a complete list of the 8-GMT based monthly time indices (from ISCCP-D2like-GEO). See [Table 2.14-8](#) for a complete list of the 180*360 regions (from ISCCP-D2like-GEO).

Table 2.9-10. List of the 6 optical depth indices used in Table 2.9-8 and Table 2.9-9

Optical depth index	Optical depth increment
1	0.02 – 1.27
2	1.27 - 3.55
3	3.55 – 9.38
4	9.38 – 22.63
5	22.63 – 60.36
6	60.36 – 378.65

Table 2.9-11. ISCCP-D2like Cloud Types - Cumulus (Low, Thin) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
0	183	Number Of Observations - Cumulus - MH	Monthly Total Number Of Observations - Cumulus – M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
1	184	Total Cloud Fraction - Cumulus - MH	Total Cloud Fraction - Cumulus – M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
2	185	Liquid Cloud Fraction - Cumulus - MH	Liquid Cloud Fraction - Cumulus – M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
3	186	Liquid Effective Pressure - Cumulus - MH	Liquid Effective Pressure - Cumulus – M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
4	187	Liquid Effective Temperature - Cumulus - MH	Liquid Effective Temperature - Cumulus – M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
5	188	Liquid Linear Optical Depth - Cumulus - MH	Liquid Linear Optical Depth - Cumulus – M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
6	189	Liquid Log Optical Depth - Cumulus - MH	Liquid Log Optical Depth - Cumulus – M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
7	190	Liquid Water Path - Cumulus - MH	Liquid Water Path - Cumulus – M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
8	191	Liquid Water Particle Radius - Cumulus - MH	Liquid Water Particle Radius - Cumulus – M	32-bit Float	μm	0 .. 40	8*180 *360	1*180 *360
9	192	Liquid Infrared Emissivity - Cumulus - MH	Liquid Infrared Emissivity - Cumulus – M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360
10	193	Ice Cloud Fraction - Cumulus - MH	Ice Cloud Fraction - Cumulus – M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
11	194	Ice Effective Pressure - Cumulus - MH	Ice Effective Pressure - Cumulus – M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
12	195	Ice Effective Temperature - Cumulus - MH	Ice Effective Temperature - Cumulus – M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360

Table 2.9-11. ISCCP-D2like Cloud Types - Cumulus (Low, Thin) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
13	196	Ice Linear Optical Depth - Cumulus - MH	Ice Linear Optical Depth - Cumulus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
14	197	Ice Log Optical Depth - Cumulus - MH	Ice Log Optical Depth - Cumulus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
15	198	Ice Water Path - Cumulus - MH	Ice Water Path - Cumulus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
16	199	Ice Water Particle Diameter - Cumulus - MH	Ice Water Particle Diameter - Cumulus - M	32-bit Float	μm	0 .. 300	8*180 *360	1*180 *360
17	200	Ice Infrared Emissivity - Cumulus - MH	Ice Infrared Emissivity - Cumulus - M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360

Table 2.9-12. ISCCP-D2like Cloud Types - Stratocumulus (Low, Mid-thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
18	201	Number Of Observations - Stratocumulus - MH	Monthly Total Number Of Observations - Stratocumulus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
19	202	Total Cloud Fraction - Stratocumulus - MH	Total Cloud Fraction - Stratocumulus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
20	203	Liquid Cloud Fraction - Stratocumulus - MH	Liquid Cloud Fraction - Stratocumulus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
21	204	Liquid Effective Pressure - Stratocumulus - MH	Liquid Effective Pressure - Stratocumulus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
22	205	Liquid Effective Temperature - Stratocumulus - MH	Liquid Effective Temperature - Stratocumulus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
23	206	Liquid Linear Optical Depth - Stratocumulus - MH	Liquid Linear Optical Depth - Stratocumulus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
24	207	Liquid Log Optical Depth - Stratocumulus - MH	Liquid Log Optical Depth - Stratocumulus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
25	208	Liquid Water Path - Stratocumulus - MH	Liquid Water Path - Stratocumulus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
26	209	Liquid Water Particle Radius - Stratocumulus - MH	Liquid Water Particle Radius - Stratocumulus - M	32-bit Float	μm	0 .. 40	8*180 *360	1*180 *360
27	210	Liquid Infrared Emissivity - Stratocumulus - MH	Liquid Infrared Emissivity - Stratocumulus - M	32-bit Float		0 .. 1	8*180 *360	1*180 *360

Table 2.9-12. ISCCP-D2like Cloud Types - Stratocumulus (Low, Mid-thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
28	211	Ice Cloud Fraction - Stratocumulus - MH	Ice Cloud Fraction - Stratocumulus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
29	212	Ice Effective Pressure - Stratocumulus - MH	Ice Effective Pressure - Stratocumulus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
30	213	Ice Effective Temperature - Stratocumulus - MH	Ice Effective Temperature - Stratocumulus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
31	214	Ice Linear Optical Depth - Stratocumulus - MH	Ice Linear Optical Depth - Stratocumulus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
32	215	Ice Log Optical Depth - Stratocumulus - MH	Ice Log Optical Depth - Stratocumulus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
33	216	Ice Water Path - Stratocumulus - MH	Ice Water Path - Stratocumulus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
34	217	Ice Water Particle Diameter - Stratocumulus - MH	Ice Water Particle Diameter - Stratocumulus - M	32-bit Float	μm	0 .. 300	8*180 *360	1*180 *360
35	218	Ice Infrared Emissivity - Stratocumulus - MH	Ice Infrared Emissivity - Stratocumulus - M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360

Table 2.9-13. ISCCP-D2like Cloud Types - Stratus (Low, Thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
36	219	Number Of Observations - Stratus - MH	Monthly Total Number Of Observations - Stratus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
37	220	Total Cloud Fraction - Stratus - MH	Total Cloud Fraction - Stratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
38	221	Liquid Cloud Fraction - Stratus - MH	Liquid Cloud Fraction - Stratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
39	222	Liquid Effective Pressure - Stratus - MH	Liquid Effective Pressure - Stratus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
40	223	Liquid Effective Temperature - Stratus - MH	Liquid Effective Temperature - Stratus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
41	224	Liquid Linear Optical Depth - Stratus - MH	Liquid Linear Optical Depth - Stratus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
42	225	Liquid Log Optical Depth - Stratus - MH	Liquid Log Optical Depth - Stratus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360

Table 2.9-13. ISCCP-D2like Cloud Types - Stratus (Low, Thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
43	226	Liquid Water Path - Stratus - MH	Liquid Water Path - Stratus - M	32-bit Float	g m^{-2}	0 .. 10000	8*180 *360	1*180 *360
44	227	Liquid Water Particle Radius - Stratus - MH	Liquid Water Particle Radius - Stratus - M	32-bit Float	μm	0 .. 40	8*180 *360	1*180 *360
45	228	Liquid Infrared Emissivity - Stratus - MH	Liquid Infrared Emissivity - Stratus - M	32-bit Float		0 .. 1	8*180 *360	1*180 *360
46	229	Ice Cloud Fraction - Stratus - MH	Ice Cloud Fraction - Stratus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
47	230	Ice Effective Pressure - Stratus - MH	Ice Effective Pressure - Stratus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
48	231	Ice Effective Temperature - Stratus - MH	Ice Effective Temperature - Stratus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
49	232	Ice Linear Optical Depth - Stratus - MH	Ice Linear Optical Depth - Stratus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
50	233	Ice Log Optical Depth - Stratus - MH	Ice Log Optical Depth - Stratus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
51	234	Ice Water Path - Stratus - MH	Ice Water Path - Stratus - M	32-bit Float	g m^{-2}	0 .. 10000	8*180 *360	1*180 *360
52	235	Ice Water Particle Diameter - Stratus - MH	Ice Water Particle Diameter - Stratus - M	32-bit Float	μm	0 .. 300	8*180 *360	1*180 *360
53	236	Ice Infrared Emissivity - Stratus - MH	Ice Infrared Emissivity - Stratus - M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360

Table 2.9-14. ISCCP-D2like Cloud Types - Altocumulus (Mid, Thin) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
54	237	Number Of Observations - Altocumulus - MH	Monthly Total Number Of Observations - Altocumulus - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
55	238	Total Cloud Fraction - Altocumulus - MH	Total Cloud Fraction - Altocumulus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
56	239	Liquid Cloud Fraction - Altocumulus - MH	Liquid Cloud Fraction - Altocumulus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
57	240	Liquid Effective Pressure - Altocumulus - MH	Liquid Effective Pressure - Altocumulus - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
58	241	Liquid Effective Temperature - Altocumulus - MH	Liquid Effective Temperature - Altocumulus - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
59	242	Liquid Linear Optical Depth - Altocumulus - MH	Liquid Linear Optical Depth - Altocumulus - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
60	243	Liquid Log Optical Depth - Altocumulus - MH	Liquid Log Optical Depth - Altocumulus - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
61	244	Liquid Water Path - Altocumulus - MH	Liquid Water Path - Altocumulus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
62	245	Liquid Water Particle Radius - Altocumulus - MH	Liquid Water Particle Radius - Altocumulus - M	32-bit Float	μm	0 .. 40	8*180*360	1*180*360
63	246	Liquid Infrared Emissivity - Altocumulus - MH	Liquid Infrared Emissivity - Altocumulus - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360
64	247	Ice Cloud Fraction - Altocumulus - MH	Ice Cloud Fraction - Altocumulus - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
65	248	Ice Effective Pressure - Altocumulus - MH	Ice Effective Pressure - Altocumulus - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
66	249	Ice Effective Temperature - Altocumulus - MH	Ice Effective Temperature - Altocumulus - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
67	250	Ice Linear Optical Depth - Altocumulus - MH	Ice Linear Optical Depth - Altocumulus - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
68	251	Ice Log Optical Depth - Altocumulus - MH	Ice Log Optical Depth - Altocumulus - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
69	252	Ice Water Path - Altocumulus - MH	Ice Water Path - Altocumulus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
70	253	Ice Water Particle Diameter - Altocumulus - MH	Ice Water Particle Diameter - Altocumulus - M	32-bit Float	μm	0 .. 300	8*180*360	1*180*360
71	254	Ice Infrared Emissivity - Altocumulus - MH	Ice Infrared Emissivity - Altocumulus - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360

Table 2.9-15. ISCCP-D2like Cloud Types - Altostratus (Mid, Mid-thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
72	255	Number Of Observations - Altostratus - MH	Monthly Total Number Of Observations - Altostratus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
73	256	Total Cloud Fraction - Altostratus - MH	Total Cloud Fraction - Altostratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
74	257	Liquid Cloud Fraction - Altostratus - MH	Liquid Cloud Fraction - Altostratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
75	258	Liquid Effective Pressure - Altostratus - MH	Liquid Effective Pressure - Altostratus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
76	259	Liquid Effective Temperature - Altostratus - MH	Liquid Effective Temperature - Altostratus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
77	260	Liquid Linear Optical Depth - Altostratus - MH	Liquid Linear Optical Depth - Altostratus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
78	261	Liquid Log Optical Depth - Altostratus - MH	Liquid Log Optical Depth - Altostratus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
79	262	Liquid Water Path - Altostratus - MH	Liquid Water Path - Altostratus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
80	263	Liquid Water Particle Radius - Altostratus - MH	Liquid Water Particle Radius - Altostratus - M	32-bit Float	μm	0 .. 40	8*180 *360	1*180 *360
81	264	Liquid Infrared Emissivity - Altostratus - MH	Liquid Infrared Emissivity - Altostratus - M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360
82	265	Ice Cloud Fraction - Altostratus - MH	Ice CloudFraction - Altostratus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
83	266	Ice Effective Pressure - Altostratus - MH	Ice Effective Pressure - Altostratus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
84	267	Ice Effective Temperature - Altostratus - MH	Ice Effective Temperature - Altostratus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
85	268	Ice Linear Optical Depth - Altostratus - MH	Ice Linear Optical Depth - Altostratus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
86	269	Ice Log Optical Depth - Altostratus - MH	Ice Log Optical Depth - Altostratus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
87	270	Ice Water Path - Altostratus - MH	Ice Water Path - Altostratus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
88	271	Ice Water Particle Diameter - Altostratus - MH	Ice Water Particle Diameter - Altostratus - M	32-bit Float	μm	0 .. 300	8*180 *360	1*180 *360
89	272	Ice Infrared Emissivity - Altostratus - MH	Ice Infrared Emissivity - Altostratus - M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360

Table 2.9-16. ISCCP-D2like Cloud Types - Nimbostratus (Mid, Thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
90	273	Number Of Observations - Nimbostratus - MH	Monthly Total Number Of Observations - Nimbostratus - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
91	274	Total Cloud Fraction - Nimbostratus - MH	Total Cloud Fraction - Nimbostratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
92	275	Liquid Cloud Fraction - Nimbostratus - MH	Liquid Cloud Fraction - Nimbostratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
93	276	Liquid Effective Pressure - Nimbostratus - MH	Liquid Effective Pressure - Nimbostratus - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
94	277	Liquid Effective Temperature - Nimbostratus - MH	Liquid Effective Temperature - Nimbostratus - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
95	278	Liquid Linear Optical Depth - Nimbostratus - MH	Liquid Linear Optical Depth - Nimbostratus - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
96	279	Liquid Log Optical Depth - Nimbostratus - MH	Liquid Log Optical Depth - Nimbostratus - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
97	280	Liquid Water Path - Nimbostratus - MH	Liquid Water Path - Nimbostratus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
98	281	Liquid Water Particle Radius - Nimbostratus - MH	Liquid Water Particle Radius - Nimbostratus - M	32-bit Float	μm	0 .. 40	8*180*360	1*180*360
99	282	Liquid Infrared Emissivity - Nimbostratus - MH	Liquid Infrared Emissivity - Nimbostratus - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360
100	283	Ice Cloud Fraction - Nimbostratus - MH	Ice Cloud Fraction - Nimbostratus - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
101	284	Ice Effective Pressure - Nimbostratus - MH	Ice Effective Pressure - Nimbostratus - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
102	285	Ice Effective Temperature - Nimbostratus - MH	Ice Effective Temperature - Nimbostratus - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
103	286	Ice Linear Optical Depth - Nimbostratus - MH	Ice Linear Optical Depth - Nimbostratus - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
104	287	Ice Log Optical Depth - Nimbostratus - MH	Ice Log Optical Depth - Nimbostratus - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
105	288	Ice Water Path - Nimbostratus - MH	Ice Water Path - Nimbostratus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
106	289	Ice Water Particle Diameter - Nimbostratus - MH	Ice Water Particle Diameter - Nimbostratus - M	32-bit Float	μm	0 .. 300	8*180*360	1*180*360
107	290	Ice Infrared Emissivity - Nimbostratus - MH	Ice Infrared Emissivity - Nimbostratus - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360

Table 2.9-17. ISCCP-D2like Cloud Types - Cirrus (High, Thin) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
108	291	Number Of Observations - Cirrus - MH	Monthly Total Number Of Observations - Cirrus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
109	292	Total Cloud Fraction - Cirrus - MH	Total Cloud Fraction - Cirrus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
110	293	Liquid Cloud Fraction - Cirrus - MH	Liquid Cloud Fraction - Cirrus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180 *360	1*180 *360
111	294	Liquid Effective Pressure - Cirrus - MH	Liquid Effective Pressure - Cirrus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
112	295	Liquid Effective Temperature - Cirrus - MH	Liquid Effective Temperature - Cirrus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
113	296	Liquid Linear Optical Depth - Cirrus - MH	Liquid Linear Optical Depth - Cirrus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
114	297	Liquid Log Optical Depth - Cirrus - MH	Liquid Log Optical Depth - Cirrus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
115	298	Liquid Water Path - Cirrus - MH	Liquid Water Path - Cirrus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
116	299	Liquid Water Particle Radius - Cirrus - MH	Liquid Water Particle Radius - Cirrus - M	32-bit Float	µm	0 .. 40	8*180 *360	1*180 *360
117	300	Liquid Infrared Emissivity - Cirrus - MH	Liquid Infrared Emissivity - Cirrus - M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360
118	301	Ice Cloud Fraction - Cirrus - MH	Ice Cloud Fraction - Cirrus - M	32-Bit Float	N/A	N/A	8*180 *360	1*180 *360
119	302	Ice Effective Pressure - Cirrus - MH	Ice Effective Pressure - Cirrus - M	32-Bit Float	hPa	0 .. 1100	8*180 *360	1*180 *360
120	303	Ice Effective Temperature - Cirrus - MH	Ice Effective Temperature - Cirrus - M	32-Bit Float	K	100 .. 350	8*180 *360	1*180 *360
121	304	Ice Linear Optical Depth - Cirrus - MH	Ice Linear Optical Depth - Cirrus - M	32-Bit Float	N/A	0 .. 400	8*180 *360	1*180 *360
122	305	Ice Log Optical Depth - Cirrus - MH	Ice Log Optical Depth - Cirrus - M	32-Bit Float	N/A	-6 .. 6	8*180 *360	1*180 *360
123	306	Ice Water Path - Cirrus - MH	Ice Water Path - Cirrus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180 *360	1*180 *360
124	307	Ice Water Particle Diameter - Cirrus - MH	Ice Water Particle Diameter - Cirrus - M	32-bit Float	µm	0 .. 300	8*180 *360	1*180 *360
125	308	Ice Infrared Emissivity - Cirrus - MH	Ice Infrared Emissivity - Cirrus - M	32-bit Float	N/A	0 .. 1	8*180 *360	1*180 *360

Table 2.9-18. ISCCP-D2like Cloud Types - Cirrostratus (High, Mid-thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
126	309	Number Of Observations - Cirrostratus - MH	Monthly Total Number Of Observations - Cirrostratus - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
127	310	Total Cloud Fraction - Cirrostratus - MH	Total Cloud Fraction - Cirrostratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
128	311	Liquid Cloud Fraction - Cirrostratus - MH	Liquid Cloud Fraction - Cirrostratus - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
129	312	Liquid Effective Pressure - Cirrostratus - MH	Liquid Effective Pressure - Cirrostratus - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
130	313	Liquid Effective Temperature - Cirrostratus - MH	Liquid Effective Temperature - Cirrostratus - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
131	314	Liquid Linear Optical Depth - Cirrostratus - MH	Liquid Linear Optical Depth - Cirrostratus - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
132	315	Liquid Log Optical Depth - Cirrostratus - MH	Liquid Log Optical Depth - Cirrostratus - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
133	316	Liquid Water Path - Cirrostratus - MH	Liquid Water Path - Cirrostratus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
134	317	Liquid Water Particle Radius - Cirrostratus - MH	Liquid Water Particle Radius - Cirrostratus - M	32-bit Float	μm	0 .. 40	8*180*360	1*180*360
135	318	Liquid Infrared Emissivity - Cirrostratus - MH	Liquid Infrared Emissivity - Cirrostratus - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360
136	319	Ice Cloud Fraction - Cirrostratus - MH	Ice Cloud Fraction - Cirrostratus - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
137	320	Ice Effective Pressure - Cirrostratus - MH	Ice Effective Pressure - Cirrostratus - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
138	321	Ice Effective Temperature - Cirrostratus - MH	Ice Effective Temperature - Cirrostratus - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
139	322	Ice Linear Optical Depth - Cirrostratus - MH	Ice Linear Optical Depth - Cirrostratus - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
140	323	Ice Log Optical Depth - Cirrostratus - MH	Ice Log Optical Depth - Cirrostratus - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
141	324	Ice Water Path - Cirrostratus - MH	Ice Water Path - Cirrostratus - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
142	325	Ice Water Particle Diameter - Cirrostratus - MH	Ice Water Particle Diameter - Cirrostratus - M	32-bit Float	μm	0 .. 300	8*180*360	1*180*360
143	326	Ice Infrared Emissivity - Cirrostratus - MH	Ice Infrared Emissivity - Cirrostratus - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360

Table 2.9-19. ISCCP-D2like Cloud Types - Deep Convection (High, Thick) Category

SDS Index		SDS Name					No. of Elements	
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
144	327	Number Of Observations - Deep Convection - MH	Monthly Total Number Of Observations - Deep Convection - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
145	328	Total Cloud Fraction - Deep Convection - MH	Total Cloud Fraction - Deep Convection - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
146	329	Liquid Cloud Fraction - Deep Convection - MH	Liquid Cloud Fraction - Deep Convection - M	32-Bit Float	Percent	0.0 .. 100.0	8*180*360	1*180*360
147	330	Liquid Effective Pressure - Deep Convection - MH	Liquid Effective Pressure - Deep Convection - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
148	331	Liquid Effective Temperature - Deep Convection - MH	Liquid Effective Temperature - Deep Convection - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
149	332	Liquid Linear Optical Depth - Deep Convection - MH	Liquid Linear Optical Depth - Deep Convection - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
150	333	Liquid Log Optical Depth - Deep Convection - MH	Liquid Log Optical Depth - Deep Convection - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
151	334	Liquid Water Path - Deep Convection - MH	Liquid Water Path - Deep Convection - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
152	335	Liquid Water Particle Radius - Deep Convection - MH	Liquid Water Particle Radius - Deep Convection - M	32-bit Float	μm	0 .. 40	8*180*360	1*180*360
153	336	Liquid Infrared Emissivity - Deep Convection - MH	Liquid Infrared Emissivity - Deep Convection - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360
154	337	Ice Cloud Fraction - Deep Convection - MH	Ice Cloud Fraction - Deep Convection - M	32-Bit Float	N/A	N/A	8*180*360	1*180*360
155	338	Ice Effective Pressure - Deep Convection - MH	Ice Effective Pressure - Deep Convection - M	32-Bit Float	hPa	0 .. 1100	8*180*360	1*180*360
156	339	Ice Effective Temperature - Deep Convection - MH	Ice Effective Temperature - Deep Convection - M	32-Bit Float	K	100 .. 350	8*180*360	1*180*360
157	340	Ice Linear Optical Depth - Deep Convection - MH	Ice Linear Optical Depth - Deep Convection - M	32-Bit Float	N/A	0 .. 400	8*180*360	1*180*360
158	341	Ice Log Optical Depth - Deep Convection - MH	Ice Log Optical Depth - Deep Convection - M	32-Bit Float	N/A	-6 .. 6	8*180*360	1*180*360
159	342	Ice Water Path - Deep Convection - MH	Ice Water Path - Deep Convection - M	32-bit Float	g m ⁻²	0 .. 10000	8*180*360	1*180*360
160	343	Ice Water Particle Diameter - Deep Convection - MH	Ice Water Particle Diameter - Deep Convection - M	32-bit Float	μm	0 .. 300	8*180*360	1*180*360
161	344	Ice Infrared Emissivity - Deep Convection - MH	Ice Infrared Emissivity - Deep Convection - M	32-bit Float	N/A	0 .. 1	8*180*360	1*180*360

Table 2.9-20. ISCCP-D1like 42 Cloud Type Fractions (10-180mb)

SDS Index		SDS Name				No. of Elements		
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
162	345	Total Cloud Area Fraction - (10-180mb) - MH	Total Cloud Area Fraction - (10-180mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360
163	346	Liquid Cloud Area Fraction - (10-180mb) - MH	Liquid Cloud Area Fraction - (10-180mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360
164	347	Ice Cloud Area Fraction - (10-180mb) - MH	Ice Cloud Area Fraction - (10-180mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360

Table 2.9-21. ISCCP-D1like 42 Cloud Type Fractions (180-310mb)

SDS Index		SDS Name				No. of Elements		
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
165	348	Total Cloud Area Fraction - (180-310mb) - MH	Total Cloud Area Fraction - (180-310mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360
166	349	Liquid Cloud Area Fraction - (180-310mb) - MH	Liquid Cloud Area Fraction - (180-310mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360
167	350	Ice Cloud Area Fraction - (180-310mb) - MH	Ice Cloud Area Fraction - (180-310mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360

Table 2.9-22. ISCCP-D1like 42 Cloud Type Fractions (310-440mb)

SDS Index		SDS Name				No. of Elements		
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
168	351	Total Cloud Area Fraction - (310-440mb) - MH	Total Cloud Area Fraction - (310-440mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360
169	352	Liquid Cloud Area Fraction - (310-440mb) - MH	Liquid Cloud Area Fraction - (310-440mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360
170	353	Ice Cloud Area Fraction - (310-440mb) - MH	Ice Cloud Area Fraction - (310-440mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180 *360	1*6*180 *360

Table 2.9-23. ISCCP-D1like 42 Cloud Type Fractions (440-560mb)

SDS index		SDS Name				No. of Elements		
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
171	354	Total Cloud Area Fraction - (440-560mb) - MH	Total Cloud Area Fraction - (440-560mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360
172	355	Liquid Cloud Area Fraction - (440-560mb) - MH	Liquid Cloud Area Fraction - (440-560mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360
173	356	Ice Cloud Area Fraction - (440-560mb) - MH	Ice Cloud Area Fraction - (440-560mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360

Table 2.9-24. ISCCP-D1like 42 Cloud Type Fractions (560-680mb)

SDS Index		SDS Name				No. of Elements		
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
174	357	Total Cloud Area Fraction - (560-680mb) - MH	Total Cloud Area Fraction - (560-680mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360
175	358	Liquid Cloud Area Fraction - (560-680mb) - MH	Liquid Cloud Area Fraction - (560-680mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360
176	359	Ice Cloud Area Fraction - (560-680mb) - MH	Ice Cloud Area Fraction - (560-680mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360

Table 2.9-25. ISCCP-D1like 42 Cloud Type Fractions (680-800mb)

SDS Index		SDS Name				No. of Elements		
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M
177	360	Total Cloud Area Fraction - (680-800mb) - MH	Total Cloud Area Fraction - (680-800mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360
178	361	Liquid Cloud Area Fraction - (680-800mb) - MH	Liquid Cloud Area Fraction - (680-800mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360
179	362	Ice Cloud Area Fraction - (680-800mb) - MH	Ice Cloud Area Fraction - (680-800mb) - M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360

Table 2.9-26. ISCCP-D1like 42 Cloud Type Fractions (800-1000mb)

SDS Index		SDS Name				No. of Elements			
MH	M	Monthly 3-Hourly (MH)	Monthly (M)	Data Type	Units	Range	MH	M	
180	363	Total Cloud Area Fraction – (800-1000mb) – MH	Total Cloud Area Fraction – (800-1000mb) – M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360	
181	364	Liquid Cloud Area Fraction – (800-1000mb) – MH	Liquid Cloud Area Fraction – (800-1000mb) – M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360	
182	365	Ice Cloud Area Fraction – (800-1000mb) – MH	Ice Cloud Area Fraction – (800-1000mb) – M	32-Bit Float	Percent	0.0 .. 100.0	8*6*180*360	1*6*180*360	

Total Bits/Region Record: 82,944
Total Bytes/Region Record: 10,368
Total Records/File: 64,800
Total Bits/File: 5,374,771,200
Total Bytes/File: 671,846,400

ISCCP-D2like-Day/Nit Revision Record

The product Revision Record contains information pertaining to approved document changes. The table lists the date the Software Configuration Change Request (SCCR) was approved, the Release and Version Number, the SCCR number, a short description of the revision, and the revised sections. The document authors are listed on the cover.

ISCCP-D2like-Day/Nit Revision Record

SCCR Approval Date	Release/ Version Number	SCCR Number	Description of Revision	Section(s) Affected
04-03-2008	R5V1	672	• Initial version.	All