NIMBUS 3

MRIR

69-037A-05B

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 368 7-TRACK, 800 BPI TAPES, WRITTEN IN IBM 360 FORMAT. EACH 7-TRACK TAPE HAD A BCD HEADER FILE. IN CONVERTING TO 9-TRACK, THE DATA WERE PACKED, MEANING THAT FOUR 6-BIT BYTES WERE READ FROM THE INPUT AND WRITTEN TO THE OUTPUT AS THREE 8-BIT BYTES. THERE ARE TWENTY RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02956	DS02956	D-12332	L-6200	1-2	08/18/69-08/18/69
		D-12333	L-6201	3-7	01/23/70-01/24/70
		D-12334	L-6202	8-13	07/28/69-07/28/69
		D-12335	L-6203	14-23	07/28/69-07/29/69
		D-12336	L-6204	24-34	07/29/69-07/30/69
		D-12338	L-6206	35-40	06/14/69-06/15/69
		D-12339	L-6207	41-48	07/31/69-07/31/69
		D-12340	L-6208	49-56	07/24/69-07/25/69
		D-12341	L-6209	57-60	01/15/70-01/17/70
		D-12342	L-6210	61-69	01/24/70-01/25/70
		D-12343	L-6211	70-78	01/25/70-01/25/70

DR#	DS#	D#	L#	FILES	TIME SPAN
DR03130	DS03130	D-12347	L-6215	1-11	09/25/69-09/26/69
		D-12348	L-6216	12-21	05/12/69-05/12/69
		D-12349	L-6217	22-24	08/15/69-08/15/69
		D-12350	L-6218	25-26	06/06/69-06/06/69
		D-12351	L-6219	27-33	11/28/69-11/30/69
		D-12352	L-6221	34-35	07/22/69-07/22/69
		D-12358	L-6227	36-38	08/27/69-08/27/69
		D-12360	L-6229	39-47	04/17/69-04/18/69
		D-12361	L-6230	48-51	01/23/70-01/23/70
		D-12364	L-6233	52-61	11/09/69-11/12/69
		D-12366	L-6235	62-70	05/03/69-05/03/69
		D-12370	L-6239	71-79	07/31/69-08/01/69
		D-12383	L-6252	80-88	04/16/69-04/16/69
		D-12384	L-6253	89-99	10/31/69-10/31/69
		D-12385	L-6254	100-108	04/16/69-04/17/69
		D-12386	L-6255	109-110	10/09/69-10/09/69
		D-12387	L-6256	111-112	06/11/69-06/11/69
		D-12415	L-6284	113-118	10/05/69-10/05/69
		D-12416	L-6285	119-120	10/06/69-10/06/69
		D-12418	L-6287	121-126	07/27/69-07/28/69
		D-12419	L-6288	127-129	07/28/69-07/28/69
		D-12420	L-6289	130-139	05/27/69-05/27/69
		D-12421	L-6290	140-149	10/26/69-10/27/69
		D-12422	L-6291	150-163	10/27/69-10/28/69
		D-12423	L-6292	164-167	08/15/69-08/15/69
		D-12424	L-6293	168-176	04/18/69-04/19/69
		D-12425	L-6294	177-180	04/22/69-04/22/69
		D-12426	L-6295	181-189	08/01/69-08/01/69
		D-12427	L-6296	190-198	04/27/69-04/27/69
		D-12428	L-6297	199-207	08/01/69-08/02/69
		D-12429	L-6298	208-216	08/02/69-08/03/69
DR03131	DS03131	D-12430	L-6299	1-6	08/03/69-08/03/69
		D-12431	L-6300	7-10	08/03/69-08/04/69
		D-12432	L-6301	11-19	08/04/69-08/05/69
		D-12433	L-6302	20-28	08/05/69-08/05/69
		D-12434	L-6303	29-37	04/27/69-04/28/69
		D-12435	L-6304	38-47	08/06/69-08/07/69
		D-12436	L-6305	48-57	08/07/69-08/07/69
		D-12443	L-6312	58-59	06/23/69-06/23/69
		D-12463	L-6332	60-72	11/02/69-11/04/69
		D-12464	L-6333	73-81	01/21/70-01/21/70
		D-12471	L-6340	82-91	08/28/69-08/30/69
		D-12472	L-6341	92-98	08/30/69-08/31/69
		D-12481	L-6350	99-107	04/29/69-05/02/69
		D-12612	L-6351	108-117	10/06/69-10/07/69
		D-12652	L-6691	118-119	05/28/69-05/28/69
		D-12658	L-6697	120-128	09/15/69-09/16/69
		D-12680	L-6721	129-133	09/30/69-09/30/69
		D-12687	L-6734	134-142	04/29/69-04/29/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02955	DS02955	D-12353	L-6222	1-9	05/10/69-05/11/69
		D-12354	L-6223	10-15	11/12/69-11/13/69
		D-12355	L-6224	16-18	07/14/69-07/15/69
		D-12356	L-6225	19-32	11/01/69-11/02/69
		D-12357	L-6226	33-35	08/27/69-08/27/69
		D-12359	L-6228	36-41	06/14/69-06/14/69
		D-12363	L-6232	42-45	07/21/69-07/25/69
		D-12365	L-6234	46-57	05/22/69-05/22/69
		D-12367	L-6236	58-65	01/28/70-01/29/70
		D-12368	L-6237	66-68	11/14/69-11/14/69
		D-12369	L-6238	69-73	08/14/69-08/14/69
		D-12371	L-6240	74-81	04/26/69-04/27/69
		D-12372	L-6241	82-85	08/17/69-08/17/69
		D-12373	L-6242	86-90	08/17/69-08/17/69
		D-12374	L-6243	91-99	07/12/69-07/12/69
		D-12375	L-6244	100-102	07/09/69-07/09/69
		D-12376	L-6245	103-114	08/19/69-08/19/69
		D-12377	L-6246	115-123	08/18/69-08/19/69
		D-12379	L-6248	124-143	06/17/69-06/17/69
		D-12380	L-6249	144-152	08/17/69-08/18/69
		D-12381	L-6250	153-154	08/18/69-08/18/69
		D-12382	L-6251	155-160	08/15/69-08/15/69
DR02964	DS02964	D-12388	L-6257	1-9	04/20/69-04/21/69
		D-12389	L-6258	10-23	06/16/69-06/18/69
		D-12390	L-6259	24-27	08/15/69-08/15/69
		D-12391	L-6260	28-35	10/12/69-10/13/69
		D-12392	L-6261	36-38	10/12/69-10/13/69
		D-12393	L-6262	39-45	07/10/69-07/11/69
		D-12394	L-6263	46-49	10/15/69-10/15/69
		D-12395	L-6264	50-58	10/12/69-10/12/69
		D-12396	L-6265	59-67	07/18/69-07/20/69
		D-12397	L-6266	68-73	08/27/69-08/27/69
		D-12398	L-6267	74-84	10/19/69-10/20/69
		D-12399	L-6268	85-100	01/29/70-01/29/70
		D-12400	L-6269	101-112	10/21/69-10/24/69
		D-12401	L-6270	113-124	08/19/69-08/20/69
		D-12402	L-6271	125-134	07/12/69-07/13/69
		D-12403	L-6272	135-138	09/27/69-09/27/69
		D-12404	L-6273	139-147	04/21/69-04/21/69
		D-12405	L-6274	148-152	04/21/69-04/22/69
		D-12406	L-6275	153-161	04/22/69-04/23/69
		D-12407	L-6276	162-163	02/03/70-02/03/70
		D-12408	L-6277	164-171	10/02/69-10/03/69
		D-12409	L-6278	172-181	05/13/69-05/13/69
		D-12410	L-6279	182-190	10/03/69-10/04/69
		D-12411	L-6280	191-195	06/08/69-06/08/69
		D-12412	L-6281	196-199	08/26/69-08/26/69
		D-12413	L-6282	200-210	08/16/69-08/17/69
		D-12414	L-6283	211-214	10/04/69-10/05/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02965	DS02965	D-12437	L-6306	1-9	08/08/69-08/08/69
		D-12438	L-6307	10-18	08/09/69-08/09/69
		D-12439	L-6308	19-27	04/26/69-04/26/69
		D-12440	L-6309	28-36	08/09/69-08/10/69
		D-12441	L-6310	37-38	07/02/69-07/02/69
		D-12442	L-6311	39-47	08/10/69-08/11/69
		D-12444	L-6313	48-56	08/12/69-08/12/69
		D-12445	L-6314	57-63	10/06/69-10/06/69
		D-12446	L-6315	64-72	08/12/69-08/12/69
		D-12447	L-6316	73-78	04/28/69-04/28/69
		D-12448	L-6317	79-83	08/27/69-08/28/69
		D-12449	L-6318	84-89	10/07/69-10/08/69
		D-12450	L-6319	90-100	08/08/69-08/09/69
		D-12451	L-6320	101-115	08/10/69-08/13/69
		D-12452	L-6321	116-124	08/13/69-08/14/69
		D-12453	L-6322	125-134	08/14/69-08/14/69
		D-12454	L-6323	135-142	02/01/70-02/01/70
		D-12455	L-6324	143-147	08/10/69-08/10/69
		D-12456	L-6325	148-149	08/17/69-08/17/69
		D-12457	L-6326	150-159	09/16/69-09/17/69
		D-12458	L-6327	160-162	10/01/69-10/02/69
		D-12459	L-6328	163-173	10/22/69-10/23/69
DR02958	DS02958	D-12460	L-6329	1-3	09/28/69-09/28/69
		D-12461	L-6330	4-8	08/26/69-08/26/69
		D-12462	L-6331	9-10	01/20/70-01/21/70
		D-12465	L-6334	11-19	01/21/70-01/22/70
		D-12466	L-6335	20-21	01/21/70-01/21/70
		D-12467	L-6336	22-25	01/22/70-01/22/70
		D-12468	L-6337	26-31	06/16/69-08/16/69
		D-12469	L-6338	32-46	11/05/69-11/06/69
		D-12470	L-6339	47-56	01/30/70-01/31/70
		D-12473	L-6342	57-60	09/01/69-09/01/69
		D-12474	L-6343	61-71	09/01/69-09/02/69
		D-12475	L-6344	72-75	09/03/69-09/03/69
		D-12476	L-6345	76-85	09/04/69-09/05/69
		D-12477	L-6346	86-96	09/06/69-09/07/69
		D-12478	L-6347	97-108	09/07/69-09/09/69
		D-12479	L-6348	109-117	09/09/69-09/09/69
		D-12480	L-6349	118-124	09/09/69-09/10/69
		D-12613	L-6352	125-126	09/03/69-09/03/69
		D-12614	L-6353	127-133	07/15/69-07/16/69
		D-12624	L-6363	134-142	05/04/69-05/05/69
		D-12625	L-6364	143-145	06/12/69-06/12/69
		D-12626	L-6365	146-148	05/22/69-05/22/69
		D-12627	L-6666	149-150	05/15/69-05/15/69
		D-12628	L-6667	151-164	10/16/69-10/17/69
		D-12629	L-6668	165-168	05/07/69-05/07/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02960	DS02960	D-12615	L-6354	1-8	05/31/69-05/31/69
		D-12616	L-6355	9-14	01/08/70-01/14/70
		D-12617	L-6356	15-23	05/31/69-06/01/69
		D-12618	L-6357	24-32	05/13/69-05/14/69
		D-12619	L-6358	33-40	05/18/69-05/18/69
		D-12620	L-6359	41-50	01/23/70-01/24/70
		D-12621	L-6360	51-59	04/25/69-04/26/69
		D-12622	L-6361	60-68	05/01/69-05/01/69
		D-12623	L-6362	69-75	06/12/69-06/12/69
		D-12672	L-6711	76-79	08/18/69-08/18/69
		D-12674	L-6713	80-90	09/26/69-09/27/69
		D-12675	L-6714	91-95	08/13/69-08/13/69
		D-12676	L-6715	96-97	06/14/69-06/14/69
		D-12677	L-6717	98-106	09/27/69-09/28/69
		D-12678	L-6718	107-113	09/30/69-09/30/69
		D-12679	L-6719	114-115	07/15/69-07/15/69
		D-12681	L-6723	116-121	10/08/69-10/09/69
		D-12682	L-6726	122-134	10/30/69-10/31/69
		D-12683	L-6729	135-138	10/08/69-10/08/69
		D-12684	L-6730	139-143	10/08/69-10/08/69
		D-12685	L-6731	144-148	10/09/69-10/09/69
		D-12686	L-6733	149-152	04/29/69-04/29/69
		D-12688	L-6735	153-161	04/30/69-05/01/69
		D-12689	L-6737	162-173	05/01/69-05/02/69
		D-12690	L-6739	174-182	05/02/69-05/03/69
		D-12691	L-6742	183-191	05/03/69-05/04/69
DR02954	DS02954	D-12692	L-6745	1-9	05/05/69-05/06/69
		D-12693	L-6746	10-18	05/06/69-05/07/69
		D-12694	L-6748	19-26	05/07/69-05/07/69
		D-12695	L-6749	27-34	05/07/69-05/08/69
		D-12696	L-6750	35-42	05/08/69-05/08/69
		D-12697	L-6751	43-52	05/08/69-05/09/69
		D-12698	L-6753	53-61	05/09/69-05/10/69
		D-12699	L-6754	62-70	05/15/69-05/15/69
		D-12700	L-6755	71-80	05/16/69-05/16/69
DR02963	DS02963	D-12630	L-6669	1-2	10/01/69-10/01/69
		D-12631	L-6670	3-12	05/16/69-05/17/69
		D-12632	L-6671	13-23	09/17/69-09/18/69
		D-12633	L-6672	24-31	02/01/70-02/02/70
		D-12634	L-6673	32-41	09/18/69-09/19/69
		D-12637	L-6676	42-46	02/02/70-02/02/70
		D-12638	L-6677	47-56	09/20/69-09/20/69
		D-12639	L-6678	57-66	09/21/69-09/21/69
		D-12640	L-6679	67-76	09/22/69-09/22/69
		D-12641	L-6680	77-78	09/23/69-09/23/69
		D-12642	L-6681	79-88	09/23/69-09/23/69
		D-12643	L-6682	89-98	09/24/69-09/24/69
		D-12644	L-6683	99-106	05/14/69-05/15/69
		D-12645	L-6684	107-110	09/10/69-09/10/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02961	DS02961	D-12647	L-6686	1-7	02/03/70-02/03/70
		D-12648	L-6687	8-16	09/11/69-09/11/69
		D-12649	L-6688	17-22	02/03/70-02/04/70
		D-12650	L-6689	23-31	09/12/69-09/12/69
		D-12651	L-6690	32-40	09/12/69-09/13/69
		D-12653	L-6692	41-52	09/13/69-09/13/69
		D-12654	L-6693	53-63	09/13/69-09/14/69
		D-12655	L-6694	64-73	09/14/69-09/15/69
		D-12656	L-6695	74-77	09/15/69-09/15/69
		D-12659	L-6698	78-88	09/17/69-09/17/69
		D-12660	L-6699	89-93	09/18/69-09/18/69
		D-12661	L-6700	94-95	06/01/69-06/02/69
		D-12662	L-6701	96-99	10/09/69-10/09/69
		D-12663	L-6702	100-107	10/09/69-10/10/69
		D-12664	L-6703	108-116	07/24/69-07/24/69
		D-12665	L-6704	117-130	10/29/69-10/30/69
		D-12667	L-6706	131-140	10/10/69-10/11/69
		D-12668	L-6707	141-150	10/13/69-10/14/69
		D-12669	L-6708	151-156	10/14/69-10/15/69
		D-12670	L-6709	157-166	10/25/69-10/26/69
		D-12671	L-6710	167-176	09/24/69-09/25/69
DR02959	DS02959	D-12702	L-6757	1-9	05/18/69-05/19/69
		D-12703	L-6758	10-18	05/19/69-05/20/69
		D-12704	L-6759	19-27	05/20/69-05/20/69
		D-12705	L-6761	28-36	05/20/69-05/21/69
		D-12706	L-6762	37-46	05/21/69-05/22/69
		D-12707	L-6763	47-55	05/22/69-05/24/69
		D-12708	L-6766	56-88	05/24/69-05/24/69
		D-12709	L-6767	89-100	05/24/69-05/25/69
		D-12710	L-6768	101-141	05/25/69-05/28/69
		D-12711	L-6770	142-152	05/29/69-05/29/69
		D-12712	L-6771	153-167	05/27/69-05/28/69
		D-12713	L-6773	168-180	05/28/69-05/29/69
		D-12714	L-6775	181-189	05/29/69-05/29/69
		D-12715	L-6777	190-195	05/30/69-05/30/69
		D-12716	L-6778	196-199	05/30/69-05/30/69
		D-12717	L-6779	200-208	06/01/69-06/01/69
		D-12718	L-6780	209-210	10/03/69-10/03/69
		D-12719	L-6781	211-228	06/01/69-06/02/69
		D-12720	L-6783	229-238	06/03/69-06/04/69
		D-12721	L-6784	239-248	06/03/69-06/03/69
		D-12722	L-6785	249-258	06/03/69-06/04/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02966	DS02966	D-12723	L-6799	1-8	10/24/69-10/24/69
		D-12724	L-6802	9-31	08/20/69-08/20/69
		D-12725	L-6803	32-40	05/11/69-05/11/69
		D-12726	L-6804	41-51	05/11/69-05/11/69
		D-12727	L-6805	52-61	07/03/69-07/03/69
		D-12728	L-6806	62-69	07/13/69-07/14/69
		D-12729	L-6807	70-79	08/22/69-08/23/69
		D-12730	L-6809	80-88	08/21/69-08/21/69
		D-12731	L-6810	89-97	08/20/69-08/21/69
		D-12732	L-6812	98-105	08/21/69-08/22/69
		D-12734	L-6816	106-110	08/23/69-08/24/69
		D-12735	L-6817	111-120	08/24/69-08/24/69
		D-12736	L-6819	121-129	08/24/69-08/25/69
		D-12737	L-6820	130-137	08/25/69-08/25/69
		D-12738	L-6821	138-140	08/25/69-08/25/69
		D-12739	L-6822	141-152	08/26/69-08/26/69
		D-12740	L-6823	153-160	08/25/69-08/26/69
		D-12742	L-6826	161-169	06/05/69-06/06/69
		D-12743	L-6827	170-171	11/15/69-11/15/69
		D-12744	L-6828	172-176	06/06/69-06/06/69
		D-12745	L-6829	177-180	06/07/69-06/07/69
		D-12746	L-6830	181-189	06/07/69-06/07/69
		D-12747	L-6831	190-194	06/08/69-06/08/69
		D-12748	L-6832	195-197	01/26/70-01/26/70
DR02967	DS02967	D-12750	L-6834	1-5	06/08/69-06/09/69
		D-12751	L-6835	6-14	06/09/69-06/09/69
		D-12752	L-6836	15-16	09/27/69-09/27/69
		D-12753	L-6838	17-20	06/12/69-06/13/69
		D-12754	L-6839	21-26	06/13/69-06/13/69
		D-12755	L-6840	27-37	11/16/69-11/18/69
		D-12756	L-6841	38-46	06/09/69-06/14/69
		D-12757	L-6842	47-55	11/19/69-11/23/69
		D-12758	L-6843	56-63	06/14/69-06/16/69
		D-12759	L-6844	64-72	06/16/69-06/16/69
		D-12760	L-6845	73-81	06/11/69-06/12/69
		D-12761	L-6846	82-93	06/16/69-06/17/69
		D-12790	L-6848	94-102	06/17/69-06/18/69
		D-12791	L-6849	103-111	06/09/69-06/10/69
		D-12792	L-6850	112-126	06/18/69-06/18/69
		D-12793	L-6851	127-135	04/24/69-04/24/69
		D-12794	L-6855	136-144	06/19/69-06/19/69
		D-12795	L-6856	145-158	06/19/69-06/20/69
		D-12796	L-6857	159-164	06/20/69-06/20/69
		D-12797	L-6858	165-168	06/20/69-06/20/69
		D-12798	L-6860	169-174	06/20/69-06/21/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02968	DS02968	D-12800	L-6862	1-9	06/21/69-06/22/69
		D-12801	L-6863	10-19	06/22/69-06/22/69
		D-12802	L-6864	20-25	06/22/69-06/23/69
		D-12803	L-6867	26-34	06/23/69-06/24/69
		D-12804	L-6869	35-43	06/24/69-06/25/69
		D-12805	L-6871	44-52	06/25/69-06/25/69
		D-12806	L-6872	53-63	06/25/69-06/26/69
		D-12807	L-6876	64-72	06/26/69-06/27/69
		D-12808	L-6877	73-76	06/27/69-06/27/69
		D-12809	L-6878	77-82	06/27/69-06/28/69
		D-12810	L-6879	83-91	06/28/69-06/28/69
		D-12811	L-6880	92-100	06/28/69-06/29/69
		D-12812	L-6681	101-103	07/01/69-07/01/69
		D-12813	L-6882	104-111	06/23/69-06/23/69
		D-12814	L-6883	112-120	06/29/69-06/30/69
		D-12815	L-6884	121-129	06/30/69-06/30/69
		D-12816	L-6885	130-136	06/30/69-07/01/69
		D-12817	L-6888	137-145	07/01/69-07/02/69
		D-12818	L-6889	146-148	11/24/69-11/25/69
		D-12819	L-6890	149-157	07/02/69-07/02/69
		D-12820	L-6892	158-169	07/03/69-07/04/69
DR02962	DS02962	D-12821	L-6893	1-7	07/16/69-07/16/69
		D-12822	L-6894	8-14	07/04/69-07/05/69
		D-12823	L-6896	15-27	07/05/69-07/05/69
		D-12825	L-9876	28-38	07/07/69-07/08/69
		D-12827	L-9880	39-48	07/10/69-07/11/69
		D-12828	L-9881	49-51	08/06/69-08/06/69
		D-12829	L-9883	52-60	07/11/69-07/12/69
		D-12830	L-9886	61-64	07/27/69-07/27/69
		D-12833	L-9893	65-73	07/08/69-07/09/69
		D-12835	L-9899	74-81	07/17/69-07/18/69
		D-12836	L-9905	82-90	07/20/69-07/21/69
		D-12837	L-9907	91-96	07/23/69-07/23/69
		D-12838	L-9908	97-100	07/23/69-07/23/69
		D-12839	L-9913	101-109	07/25/69-07/26/69
		D-12841	L-9931	110-115	09/29/69-09/29/69
		D-12845	L-9943	116-120	10/11/69-10/11/69
		D-12846	L-9944	121-124	10/11/69-10/12/69
		D-12847	L-9948	125-131	10/13/69-10/13/69
		D-12848	L-9949	132-136	10/15/69-10/15/69
		D-12849	L-9950	137-142	10/16/69-10/16/69
		D-12850	L-9954	143-145	10/17/69-10/17/69
		D-12851	L-9959	146-149	04/15/69-04/15/69
		D-12852	L-9966	150-158	04/19/69-04/19/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR02957	DS02957	D-12344	L-6212	1-7	01/26/70-01/26/70
		D-12346	L-6214	8-15	10/18/69-10/18/69
		D-12733	L-6815	16-20	08/23/69-08/23/69
		D-12741	L-6825	21-29	06/05/69-06/05/69
		D-12749	L-6833	30-34	06/08/69-06/08/69
		D-12799	L-6861	35-38	06/21/69-06/21/69
		D-12826	L-9879	39-50	07/09/69-07/09/69
		D-12831	L-9891	51-59	07/14/69-07/15/69
		D-12832	L-9892	60-65	08/05/69-08/06/69
		D-12840	L-9914	66-75	07/22/69-07/23/69
		D-12842	L-9932	76-77	09/29/69-09/29/69
		D-12843	L-9934	78-79	09/30/69-09/30/69
		D-12844	L-9935	80-88	09/29/69-09/30/69
		D-12853	L-9967	89-97	04/19/69-04/20/69
		D-12854	L-9969	98-103	07/27/69-07/27/69
		D-12855	L-9971	104-109	07/26/69-07/26/69
		D-12856	L-9974	110-118	04/23/69-04/24/69
		D-12857	L-9977	119-127	04/24/69-04/25/69
DR03330	DS03330	D-01600		1-15	06/19/69-06/21/69
		D-01601		16-28	06/21/69-06/22/69
		D-01602		29-40	06/22/69-06/23/69
		D-01603		41-53	06/25/69-06/26/69
		D-01605		54-65	06/27/69-06/28/69
		D-01606		66-80	06/28/69-06/30/69
		D-01609		81-94	07/06/69-07/07/69
		D-01610		95-101	07/07/69-07/07/69
		D-01612		102-112	07/08/69-07/09/69
		D-01613		113-125	07/11/69-07/12/69
		D-06169		126-133	06/13/69-06/15/69
		D-06171		134-141	06/22/69-06/22/69
DR03331	DS03331	D-01604		1-11	06/26/69-06/26/69
		D-01607		12-27	06/30/69-07/01/69
		D-05569		28-42	07/16/69-07/19/69
		D-06170		43-68	06/17/69-06/19/69
		D-12417	L-6286	69-70	10/06/69-10/06/69
		D-12646	L-6685	71-76	09/10/69-09/11/69
		D-12657	L-6696	77-82	09/15/69-09/15/69
		D-12824	L-6899	83-91	07/06/69-07/07/69
		D-01608		92-104	07/04/69-07/06/69
		D-01611		105-113	07/06/69-07/06/69
		D-01614		114-127	07/12/69-07/15/69
		D-04818		128-142	07/15/69-07/17/69
		D-06172		143-162	06/24/69-06/25/69
		D-06173		163-181	07/02/69-07/15/69

DR#	DS#	D#	L#	FILES	TIME SPAN
DR03332	DS03332	D-12378	L-6247	1-3*	10/02/69-10/02/69
		D-12635	L-6674	4-8*	09/19/69-09/19/69
		D-12636	L-6675	9-10*	09/20/69-09/20/69
		D-12673	L-6712	11-12*	06/07/69-06/07/69
		D-12701	L-6756	13-17*	05/17/69-05/17/69

* See below for comments

* D-12378 --- ONLY FILES 1-3 WERE READABLE

D-12635 --- ONLY FILES 1-5 WERE READABLE

D-12636 --- ONLY FILES 1-2 WERE READABLE

D-12673 --- ONLY FILES 1-2 WERE READABLE -- LOST RECORDS 4,5,7,9,11,13,15,17,19,21,25,27,31 OF FILE 2.

D-12701 --- ONLY FILES 1-5 WERE READABLE -- LOST RECORDS 79 AND 89 OF FILE 2, RRD 4 OF FILE 4, AND 90 RECORDS WERE LOST ON FILE 5.

**THE FOLLOWING TAPES WERE UNSUCESSFUL DURING THE RESTORATION PROCESS. THEY CONTINUOUSLY DROPPED VACUUM AND WERE UNREADABLE TO ANY EXTENT.

D-12337
D-12345
D-12362
D-12666
D-12834

B R I E F D E S C R I P T I O N
MRIR Meteor. Radiation Tapes
69-037A-05B

The Medium-Resolution Infrared Radiometer (MRIR) data are on binary magnetic tapes called Nimbus Meteorological Radiation Tapes (NMRT-MRIR). They contain radiances measured at 6.4-6.9, 10-11, 14-16, 5-30, and 0.2-4.0 micrometers. The latitude, longitude, time, and other orbital and telemetry data are also included. There is one file for each orbit of data. The first record in each file contains the documentation for the succeeding data records. The format of the tapes can be found in section 4 of "The Nimbus III User's Guide."

M A T E R I A L S F O R D I S T R I B U T I O N
69-037A-05B
MRIR Meteor. Radiation Tapes

Data are ordered by using the Nimbus 3 Data Catalogs, volumes 1 to 6, B06583, B06584, B06585, B06586, B06523 and B07526 respectively. These catalogs should be sent to a potential requester in conjunction with the 'Nimbus III User's Guide,' B03409.

D A T A S E T R E M A R K S
69-037A-05B
MRIR Meteor. Radiation Tapes

Most of the data set is held outside NSSDC, but the Data Center does respond to requests. The present set of tapes is considered preliminary and contains many short data breaks (see acquisition file). Periods of missing data will be filled as more tapes become available.

B06523-000A
B04495-000A

THE NIMBUS III DATA CATALOG

VOLUME 1, PART 1

14 APRIL THROUGH 31 MAY 1969

DATA ORBITS 109-639

full Document on microfiche

GODDARD SPACE FLIGHT CENTER

GREENBELT MARYLAND

B06523-000A
B06593-000A

THE NIMBUS III DATA CATALOG

VOLUME 1, PART 2

Medium Resolution Infrared Radiometer Pictorial Data

14 April through 31 May 1969

Data Orbits 112 to 639

Prepared By

ALLIED RESEARCH ASSOCIATES, INC.

Concord, Massachusetts

For the Nimbus Project

AUGUST 1969

full Document on micro fiche

GODDARD SPACE FLIGHT CENTER

Greenbelt, Maryland

B06523-000A
B06584-000A

THE NIMBUS III DATA CATALOG

Volume 2

June 1969
Data Orbits 640-1041

Prepared by

Allied Research Associates, Inc.
Concord, Massachusetts

For the

Nimbus Project

November 1969

full Document on micro fiche

GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland

B06523-000A
B06585-000A

THE NIMBUS III DATA CATALOG

Volume 3

July 1969
Data Orbits 1042-1457

Prepared by

Allied Research Associates, Inc.
Concord, Massachusetts

For the

Nimbus Project

full Document on Microfiche

December 1969

GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland

B06523-000A
B06586-000A

THE NIMBUS III DATA CATALOG

Volume 4

August 1969
Data Orbits 1458-1872

Prepared by

Allied Research Associates, Inc.
Concord, Massachusetts

For the

Nimbus Project

December 1969

full Document on micro fiche

GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland

B06523-000A

THE NIMBUS III DATA CATALOG

Volume 5

September 1, 1969 to December 31, 1969
Data Orbits 1873-3505

Prepared by

Allied Research Associates, Inc.
Concord, Massachusetts

For the

Nimbus Project

April 1970

full Document on microfiche

GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland

B06523-000A
B07526-000A

THE NIMBUS III DATA CATALOG

Volume 6 (Final)

January 1, 1970 to May 31, 1970
Data Orbits 3509-5529

Prepared by

Allied Research Associates, Inc.
Concord, Massachusetts

For the

Nimbus Project

October 1970

Full Documentation on micro fiche

GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland

B 03409-000A

THE NIMBUS III USER'S GUIDE

Prepared by

The NIMBUS Project
Goddard Space Flight Center
National Aeronautics and Space Administration

Edited by

Romeo R. Sabatini
Allied Research Associates, Inc.
Concord, Mass.

full Document on micro fiche

Check N3
U.G. for better quality

Table 4-11
Gray Level Values for Pictorial Display

	Channel Target Values				
	6.4-[illegible]μ	10-[illegible]μ	14.5-15.5μ	20-23μ	0.2-4.0μ
	°K	°K	°K	°K	$\bar{N}(Wm^{-2}\,Ster^{-1})$
1	264-27[illegible]	309-320	239-245	282-290	199-210
2	257-26[illegible]	297-308	234-239	273-281	169-189
3	250-257	285-296	228-233	264-272	148-168
4	243-249	273-284	222-227	255-263	127-147
5	236-242	261-272	216-221	246-254	106-126
6	229-23[illegible]	249-260	210-215	237-245	85-105
7	222-22[illegible]	237-248	204-209	228-236	64-84
8	215-[illegible]	225-236	198-203	219-227	43-63
9	208-21[illegible]	213-224	192-197	210-218	22-42
10	201-20[illegible]	201-212	186-191	201-209	1-21
11	200 & [illegible]ow	200 & below	185	200 & below	0

4.[illegible] Format of the NMRT-MRIR Tape

The MRIR digital magnetic tape (output of the Telemetrics 670 Computer) is formatted for compatibility with the IBM 360 computer system. The digital data from each radiometer sensor is stripped of sync bits and all five simultaneous responses are placed in one 36-bit IBM word with 7 bits for each measurement and a one in the least significant bit. The time code is also stripped of all unnecessary bits and formatted into one 36-bit word expressing time to the nearest second. The following special code words are inserted to identify the various conditions described below:

1. $(666666666666)_8$ – Identifies the next word as the Minitrack time word.
2. $(777777777777)_8$ – Identifies end of data.
3. $(525252525252)_8$ – Identifies data dropout. This code word is used when all five measurements are simultaneously bad. When an individual measurement is bad, the data for that measurement is set equal to the previous measurement.

The magnetic tape containing the formatted MRIR radiation data represents the primary source of radiometer data for further processing and archiving. The first step in this procedure is to examine the formatted radiometer output and create an intermediate tape which contains (1) the response from each radiometer channel for every earth-viewed scan, (2) the associated response from each channel of the radiometer while viewing space, (3) the associated response from each channel of the radiometer while viewing spacecraft housing, and (4) the time associated with each earth scan. The intermediate tape will be the basic repository for raw radiation data from the Nimbus Medium Resolution Infrared Radiometer, and also represents the primary input source of radiometer data for the second step in the data processing plan.

The Nimbus Meteorological Radiation Tape (NMRT-MRIR) for the Medium Resolution Infrared Radiometer is the output from the second step of the data processing plan. The inputs to this program are (1) the intermediate MRIR data tape, (2) pertinent telemetry data transmitted from the spacecraft, (3) the Mission Vector Tape (MVT) containing position vectors of the spacecraft at one minute intervals, and (4) miscellaneous documentation data.

During this second phase, each data measurement is converted to equivalent units of energy, latitudes and longitudes are computed for locator points, and spacecraft and telemetry data are computed as a function of time. These data are formatted as described below, and the Nimbus Meteorological Radiation Tape for medium resolution infrared data is produced.

The NMRT-MRIR is the basic repository for calibrated radiation data from the medium resolution infrared radiometer. This tape contains data in binary mode and a density of 800 bits per inch. The first file on each tape contains a BCD label consisting of fourteen words of BCD information followed by an end-of-file. The remaining files on this tape contain the MRIR data in the format described below. There will be one file for each orbit of data. The first record in a data file is a documentation record containing 15 words which describe the data to be found in each succeeding record (see Table 4-12). The remaining data records in each file will be of variable length, but this length will be consistent within the file (see Table 4-13). The length of a data record (L) can be determined as follows:

$$L = (\text{SWATHS PER RECORD}) \times (\text{WORDS PER SWATH}) + (\text{NUMBER OF NADIR ANGLES}) + 8$$

Ninety degrees are added to all latitudes and attitude errors to eliminate negative signs.

Table 4-12
NMRT-MRIR Documentation Record Format

Word No.	Quantity	Units	Scaling	Remarks
1	Nimbus Day	–	B = 35	Start time for this file of data.
2	Hour	Z Hour	B = 35	
3	Minute	Z Minute	B = 35	
4	Seconds	Z Seconds	B = 35	
5	Nimbus Day	–	B = 35	End time for this file of data.
6	Hour	Z Hour	B = 35	
7	Minute	Z Minute	B = 35	
8	Seconds	Z seconds	B = 35	
9	Mirror Rotation Rate	Deg/sec	B = 26	Rotation rate of radiometer mirror.
10	Sampling Frequency	Samples/sec	B = 23	Digital sampling frequency per second of vehicle time.
11	Orbit Number	–	B = 35	Orbit Number.
12	Station Code	–	B = 35	Station code for DAF ground station.
13	Swath Block Size	–	B = 35	Number of 35-bit words per swath.
14	Swaths Per Record	–	B = 35	Number of swaths per record.
15	Number of Locator Points	–	B = 35	Number of anchor points per swath for which latitudes and longitudes are computed

Table 4-13
NMRT-MRIR Data Record Format

Word No.	Quantity	Units	Scaling	Remarks
1D	Nimbus Day	–	B = 17	Start time for this record of data.
1A	Hour	Z Hour	B = 35	
2D	Minutes	Z Minute	B = 17	
2A	Seconds	Z Second	B = 35	
3D	Roll Error	Degrees	B = 14	Roll error at time specified in words one and two.
3A	Pitch Error	Degrees	B = 32	Pitch error at time specified in words one and two.
4D	Yaw Error	Degrees	B = 14	Yaw error at time specified in words one and two.
4A	Height	Kilometers	B = 35	Height of Spacecraft at time specified in words one and two.
5A	Housing one Temperature	Degrees K	B = 32	Measured temperature of housing one at time specified in words one and two.
6D	Housing two Temperature	Degrees K	B = 14	Measured temperature of housing two at time specified in words one and two.
6A	Electronics Temperature	Degrees K	B = 32	Measured temperature of electronics at time specified in words one and two.
7D	Chopper one Temperature	Degrees K	B = 14	Measured temperature of chopper at time specified in words one and two.
7A	Chopper two Temperature	Degrees K	B = 32	Measured temperature of chopper at time specified in words one and two.
8D	GHA of SUN	Degrees	B = 14	GHA of sun at time specified in words 1 and 2.
8A	Decl. of Sun	Degrees	B = 32	Declination of sun at time specified in words 1 and 2. Ninety degrees added to eliminate negative sign.
9	Nadir Angle	Degrees	B = 29	Nadir angles corresponding to each locator point and measured in the plane of the scanning radiometer.
N	Nadir Angle	Degrees	B = 29	Last nadir angle.

Table 4-13
NMRT-MRIR Data Record Format (Continued)

Word No.	Quantity	Units	Scaling	Remarks
(N-1)D	Seconds	Z Seconds	B = 8	Seconds past time in words 1A & 2D for beginning of this swath.
(N-1)A	Data Population	–	B = 35	Number of data points in this swath.
(N+2)D	Latitude	Degrees	B = 11	Latitude of subsatellite point for this swath.
(N+2)A	Longitude	Degrees	B = 29	Longitude of subsatellite point for this swath.
(N+3)D	Latitude	Degrees	B = 11	Latitude of viewed point for the first anchor spot.
(N+3)A	Longitude	Degrees	B = 29	Longitude of viewed points for the first anchor spot. Measured positive westward, 0 - 360 degrees.
(M)D	Latitude	Degrees	B = 11	Latitude and longitude of last anchor spot.
(M)A	Longitude	Degrees	B = 29	Latitude and longitude of last anchor spot.
(M+1)D	MRIR Data	–	B = 14	MRIR Data Measurement, channel one.
(M+1)A	MRIR Data	–	B = 32	MRIR Data Measurement, channel one.
K(A or D)	MRIR Data	–	B = 14 - 42	Last MRIR Data Measurement, channel one.

The data on preceeding page constitute what is essentially the documentation portion of a data record. These data will be followed by several blocks of data with each block representing a swath. The number of these blocks in a record as well as the size of each block is specified in the documentation record represented on the previous page.

Words M+1 through K are repeated for channels two through five respectively. All remaining or unused portions of a swath data block are set to zero, giving a swath block size as specified in the documentation record. The above data on this page are repeated for the number of swaths in each record.