#534

HELIOS 1 + 2

74-077A-07A

76-003A-07A

COUNT RATE HOURLY AVERAGE

HELIOS-B

HOURLY AVG COUNT RATE DATA

76-003A-07A

This data set has been restored. There were originally two 9-track, 800, & 1600 BPI tapes written in ASCII. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on a PDP computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR004820	DS004820	D047380	1	01/06/76 - 12/31/78
		D066087	2	12/31/78 - 03/08/80

REQ. AGENT	RAND NO.	ACQ. AGENT
DEW	V0133	HKH
SAR	V0287	HKH

HELIOS 1 & 2

COUNT RATES HOURLY AVG

74-~~079A~~ 097A-07A

76-003A-07A

This data set catalog consists of four tapes for Helios 1 data and two tapes for Helios 2 data. The D tapes are 800 BPI, ASCII, 9-track with one file of data and the C tapes are 1600 BPI, ASCII, 9-track with one file of data. The tapes were created on an DEC PDP 11/45 computer. The D and C numbers along with the time spans are as follows:

74-079A-07A

D#	C#	TIME SPAN
D-47379	C-22206	12/11/74 - 12/31/76
D-66084	C-24773	01/01/77 - 12/31/79
D-66085	C-24774	12/31/79 - 12/31/81
D-66086	C-24775	12/31/81 - 12/31/83

76-003A-07A

D-47380	C-22207	01/16/76 - 12/31/78
D-66087	C-24476	12/31/78 - 03/08/80

76-003A-07A

Institut für Reine und Angewandte Kernphysik
der Christian-Albrechts-Universität Kiel
- R. Müller-Mellin -

2300 Kiel, den Jan. 22, 1982
Olshausenstraße 40/60, Gebäude N 20 a
Fernschreiber 292979 ifkkl
Telefon: Sammel-Nr.: 8801
bei Durchwahl: 880- 3227

RMM/lg

NSSDC - Tape Specification

Experiment	HELIOS 1/2 Exp. 6
	COSMIC RAY
	Universität Kiel
Contents	Counting Rates (Hourly Averages)
Density	800 BPI
Track	9
Parity	ODD
Mode	ASC II
Files	1
Machine	DEC PDP-11/45

Tape Structure

Tape Header Block
Science Data Block
.
.
.
Science Data Block
EOF Block
EOF Block
EOF Block

Tape Header Block Format

In column "Format" the FORTRAN Format convention is used. The PDP 11 word length is 16 bit, i.e. one word can accomodate 2 ASCII characters.

In column "Contents" the underline symbol "_" represents a space (ASCII-Code 40_{octal}).

Word	Data Type	Format	Contents
1-3	Literal	3A2	HELIOS
4	Integer	I2	S/C number (1 or 2)
5-20	Literal	16A2	_EXPERIMENT_6_UNIVERSITAET_KIEL_
21-24	Literal	4A2	START:_ _
25-26	Integer	I4	Year (e.g. 1976)
27-28	Integer	I4	Day of year (e.g. _345)
29-30	Integer	I4	Hour (e.g. __ 23)
31-32	Integer	I4	Minute (e.g.__ 12)
33-36	Literal	4A2	STOP:_ _ _
37-38	Integer	I4	Year
39-40	Integer	I4	Day of year
41-42	Integer	I4	Hour
43-44	Integer	I4	Minute
45-51	Literal	7A2	VERSION:_ _ _ _ _ _
52	Integer	I2	Program Version (e.g. _1)

Science Data Block Format

Word	Data Type	Format	Contents		
1-2	Integer	I4	Start time of averaging interval:		year
3-4			"		day of year
5-6			"		hour
7-8			"		minute
9-10	"	"	Stop time of averaging interval:		year
11-12			"		day of year
13-14			"		hour
15-16			"		minute
17-22	Real	E12.5	Count rate	P 4-13	
23-28			Standard deviation	P 4-13	
29-34				P13-27	
25-40				P13-27	
41-46				P27-37	
47-52				P27-37	
53-58	"	"	"	P37-51	
59-64				P37-51	
65-70				P>51	
71-76				P>51	st dev ?

77-82	Real	E12.5	Count rate	A 2-4
83-88			Standard deviation	A 2-4
89-94				A 4-13
95-100				A 4-13
101-106				A13-27
107-112	"	"	"	A13-27
113-118				A27-37
119-124				A27-37
125-130				A37-48
131-136				A37-48
137-142				A >48
143-148				A >48 St dev ?
149-154	"	"	"	E 0.3-0.8
155-160				E 0.3-0.8
161-166				E 0.8-2
167-172				E 0.8-2 St dev ?
173-1720	9 repetitions of words	1-172		

Filler data are indicated by -9999.9, on the ASCII tape represented as - 0.99999 E+04.

The acronyms for the rate channels are composed of a letter (P for protons, A for alpha particles and E for electrons) and an indication of the energy range in MeV/nucleon for protons and alpha particles resp. MeV for electrons.

The counting rates are given as particles/m^2 sec sr MeV/N, except for the integral channels P>51 and A>48 which are given as particles/m^2 sec sr.

The 1 hour averaging interval is sliding, i.e. it does not start and stop on the hour. This was made to accomodate the intrumental time resolution at low bit rates, where accumulation periodes can be as long as 43.2 minutes. Furthermore it can happen at low bit rates, that successive averaging intervals appear to overlap in time. This is caused by the fact that rate channels are accumulated on board the S/C in three different groups with different but overlapping start and stop times for the three accumulation periods. At low bit rates, when the length of the accumulation period is of the same order as the averaging interval, this overlap appears also in this data set. However, the rate channels, which are accumulated during a period other than the one indicated by "Start time of averaging interval" and "Stop time of averaging interval" are marked with filler data, so that for any given rate channel, there is <u>no time overlap</u> indeed.

Note that due to the measurement technique (range measurement) the energy boundaries for the electron channels E 0.2 - 0.8 and E 0.8 - 2 are only rough estimates.

D 47379
12/11/74 - 12/31/76

```
$NOP
$NOP
$NOP      ******     DE1     *******
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=2

 TAPE NO.   1                FILE NO.   1
 RECORD   1                  LENGTH   104
HELIOS 1 EXPERIMENT 6 UNIVERSITAET KIEL START:  1974 345  21   7STOP:  1976 366  20  29VERSION:
    1

 TAPE NO.   1                FILE NO.   1
 RECORD   2                  LENGTH   3440
1974 345  21   71974 345  22   8-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04 0.34351E+00 0.4590
4E+00-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04 0.43291E+02 0.24901E+02 0.00000E+00 0.00000E+
00 0.00000E+00 0.00000E+00-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-
0.99999E+04-0.99999E+04-0.99999E+041974 345  21  331974 345  22   7-0.99999E+04-0.99999
E+04 0.18549E+00 0.37863E+00-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+0
4-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0
.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04 0.12167E+04 0.26550E+03 0.17664E+03 0.39498E+021974
345  21  531974 345  22   7 0.43230E+01 0.36969E+01-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04
 0.28387E+00 0.75866E+00 0.24640E+04 0.10035E+03-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.
99999E+04-0.99999E+04 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.27761E+03 0.33682E+02-0.999
99E+04-0.99999E+04-0.99999E+04-0.99999E+041974 345  22   81974 345  23   7 0.54166E+01 0.20043E+01
0.36581E+00 0.42030E+00 0.63686E+00 0.65757E+00 0.26637E+00 0.35595E+00 0.25907E+04 0.49834E+02 0.4
3213E+02 0.12060E+02 0.60188E+00 0.66823E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.0000
0E+00 0.00000E+00 0.29594E+03 0.16843E+02 0.10198E+04 0.11622E+03 0.19314E+03 0.32647E+021974 345
23   71974 345  23  59 0.65563E+01 0.23685E+01 0.10431E+01 0.75587E+00 0.00000E+00 0.00000E+00 0.46
096E+00 0.50295E+00 0.25975E+04 0.53503E+02 0.22810E+02 0.94309E+01 0.71954E+00 0.78643E+00 0.00000
E+00 0.00000E+00 0.66577E+00 0.72329E+00 0.24680E+00 0.40574E+00 0.27644E+03 0.17454E+02 0.84121E+0
3 0.11241E+03 0.19403E+03 0.34849E+021974 346   0   01974 346   1  59 0.65959E+01 0.15701E+01 0.109
34E+01 0.51430E+00 0.19047E+00 0.25453E+00 0.33557E+00 0.28361E+00 0.25270E+04 0.34876E+02 0.48380E
+02 0.90314E+01 0.00000E+00 0.00000E+00 0.18161E+00 0.20948E+00 0.22322E+00 0.27679E+00 0.10780E+00
 0.17722E+00 0.27041E+03 0.11409E+02 0.10947E+04 0.85224E+02 0.18798E+03 0.22796E+021974 346   1  5
91974 346   2  59 0.69693E+01 0.22823E+01 0.00000E+00 0.00000E+00 0.13261E+01 0.95068E+00 0.20133E+
00 0.31067E+00 0.25216E+04 0.49267E+02 0.33296E+02 0.10606E+02 0.60470E+00 0.67106E+00 0.42413E+00
0.45314E+00 0.00000E+00 0.00000E+00 0.17307E+01 0.10042E+01 0.31803E+03 0.17497E+02 0.92362E+03 0.1
1039E+03 0.15394E+03 0.29091E+021974 346   2  591974 346   3  39 0.65880E+01 0.28430E+01 0.21619E+0
0 0.42006E+00 0.19270E+01 0.14619E+01 0.72103E+00 0.75321E+00 0.26655E+04 0.65171E+02 0.21439E+02 0
.10856E+02 0.00000E+00 0.00000E+00 0.72779E+00 0.75720E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00
000E+00 0.29220E+03 0.21578E+02 0.82824E+03 0.13616E+03 0.15856E+03 0.38456E+021974 346   5  311974
 346   6  31 0.34208E+01 0.15225E+01 0.27243E+00 0.34473E+00 0.00000E+00 0.00000E+00 0.12168E+00 0.
22996E+00 0.21408E+04 0.43335E+02 0.19830E+02 0.77779E+01 0.00000E+00 0.00000E+00 0.37720E+00 0.406
09E+00 0.11245E+01 0.83653E+00 0.45647E+00 0.49104E+00 0.23776E+03 0.14442E+02 0.99298E+03 0.10899E
+03 0.10967E+03 0.23381E+021974 346   6  311974 346   7  31 0.58471E+01 0.20423E+01 0.32968E+00 0.3
9147E+00 0.18803E+01 0.11107E+01 0.64052E-01 0.17119E+00 0.22127E+04 0.45092E+02 0.34780E+02 0.1063
5E+02 0.00000E+00 0.00000E+00 0.87209E+00 0.63752E+00 0.00000E+00 0.00000E+00 0.20576E+00 0.33827E+
00 0.23461E+03 0.14683E+02 0.99440E+03 0.11259E+03 0.14874E+03 0.28108E+02

***** JOB DONE.
$WEO LPS


$$
$EXE TPNRCF BS
```

D 47380
1/16/76 - 12/31/78

```
$JOB  18:12:52
$ASS IN MT4
$NOP
$NOP
$NOP
$NOP       ******    DE2    *******
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=2

 TAPE NO.   1                FILE NO.   1
 RECORD   1                  LENGTH   104
HELIOS 2 EXPERIMENT 6 UNIVERSITAET KIEL START:  1976  16  21   7STOP:   1978 365   2  39VERSION:
   1

 TAPE NO.   1                FILE NO.   1
 RECORD   2                  LENGTH   3440
1976  16  21   71976  16  21  29-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04 0.21894E+01 0.1982
2E+01-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04 0.99598E+02 0.33637E+02 0.77982E+01 0.39339E+
01 0.11668E+01 0.11964E+01-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-
0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+041976  16  21  251976  16  21  29-0.99999E+04-0.99999
E+04 0.00000E+00 0.00000E+00-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+0
4-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0
.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04-0.99999E+04 0.15559E+03 0.11002E+031976
 16  22  181976  16  23  18 0.37659E+00 0.53258E+00 0.31976E+00 0.38347E+00 0.61868E+00 0.64522E+00
 0.21742E+00 0.33549E+00 0.32839E+04 0.53467E+02 0.13843E+02 0.76785E+01 0.00000E+00 0.00000E+00 0.
39996E+00 0.42891E+00 0.56502E+00 0.62213E+00 0.22668E+00 0.37265E+00 0.36762E+03 0.17889E+02 0.134
05E+04 0.12899E+03 0.17066E+03 0.29709E+021976  16  23  181976  17   0  59 0.10763E+01 0.68068E+00
0.19990E+00 0.23087E+00 0.43983E+00 0.41560E+00 0.20712E+00 0.24756E+00 0.33624E+04 0.40955E+02 0.6
4628E+01 0.40081E+01 0.29425E+00 0.35746E+00 0.20844E+00 0.23654E+00 0.27154E+00 0.32607E+00 0.8006
8E+00 0.52950E+00 0.31734E+03 0.12582E+02 0.11154E+04 0.89594E+02 0.18890E+03 0.23800E+021976  17
 0  591976  17   1  59 0.14656E+01 0.10363E+01 0.10827E+00 0.22100E+00 0.59960E+00 0.63218E+00 0.00
000E+00 0.00000E+00 0.33016E+04 0.52838E+02 0.13712E+02 0.76059E+01 0.00000E+00 0.00000E+00 0.39561
E+00 0.42456E+00 0.54649E+00 0.60351E+00 0.22054E+00 0.36257E+00 0.30529E+03 0.16067E+02 0.98623E+0
3 0.10958E+03 0.24351E+03 0.35148E+021976  17   1  591976  17   2  59 0.72734E+00 0.72734E+00 0.753
47E+00 0.58304E+00 0.25693E+01 0.13037E+01 0.41992E+00 0.45818E+00 0.33177E+04 0.52861E+02 0.81655E
+01 0.58474E+01 0.59153E+00 0.65782E+00 0.84441E+00 0.61794E+00 0.00000E+00 0.00000E+00 0.58324E+00
 0.58742E+00 0.31609E+03 0.16316E+02 0.11446E+04 0.11806E+03 0.15221E+03 0.27789E+021976  17   2  5
91976  17   3  59 0.14602E+01 0.10325E+01 0.75348E+00 0.58304E+00 0.36908E+00 0.49321E+00 0.35126E+
00 0.41983E+00 0.32054E+04 0.52063E+02 0.00000E+00 0.00000E+00 0.00000E+00 0.58880E+00 0.65507E+00 0.39052E+00
0.41944E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.33406E+03 0.16807E+02 0.12055E+04 0.1
2116E+03 0.16743E+03 0.29146E+021976  17   3  591976  17   4  59 0.10993E+01 0.89757E+00 0.29897E+0
0 0.36658E+00 0.19078E+01 0.11234E+01 0.42311E+00 0.46165E+00 0.33366E+04 0.53119E+02 0.54437E+01 0
.47744E+01 0.00000E+00 0.00000E+00 0.39221E+00 0.42114E+00 0.00000E+00 0.00000E+00 0.11883E+01 0.84
166E+00 0.31716E+03 0.16377E+02 0.97052E+03 0.10851E+03 0.19714E+03 0.31567E+021976  17   4  591976
 17   5  59 0.76106E+00 0.76106E+00 0.35182E+00 0.40919E+00 0.42274E+01 0.17244E+01 0.36616E+00 0.
43764E+00 0.32719E+04 0.53671E+02 0.11577E+02 0.71795E+01 0.63785E+00 0.70438E+00 0.42084E+00 0.449
84E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.35331E+03 0.17637E+02 0.10147E+04 0.11417E
+03 0.14985E+03 0.28320E+021976  17   5  591976  17   6  59 0.11379E+01 0.92913E+00 0.11295E+00 0.2
3056E+00 0.64627E+00 0.66394E+00 0.72998E-01 0.19510E+00 0.32688E+04 0.53553E+02 0.11225E+02 0.6961
7E+01 0.61425E+00 0.68066E+00 0.00000E+00 0.00000E+00 0.56998E+00 0.62711E+00 0.63414E+00 0.62555E+
00 0.31296E+03 0.16571E+02 0.10924E+04 0.11779E+03 0.22228E+03 0.34299E+02

***** JOB DONE.
$WEO LPS


$$
$NOP
$NOP
```

DUMP OF TAPE ON UNIT 2

FILE= 1 TRACK= 9 DENSITY= 800 PARITY= ODD

RECORD= 1 WORDS= 52

42510	44514	51517	30440	42440	50130	51105	46511	47105	20124
20066	47125	53111	51105	44523	40524	52105	45440	42511	20114
52123	51101	35124	20040	34461	32067	31440	32464	20040	30462
20040	33440	52123	50117	20072	20040	34461	33067	31440	33066
20040	30062	20040	34462	42526	51522	47511	35116	20040	20040
20040	30440								

RECORD= 2 WORDS= 1720

34461	32067	31440	32464	20040	30462	20040	33440	34461	32067
31440	32464	20040	31062	20040	34040	30055	34456	34471	34471
25505	32060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30040	31456	31464	30465	25505	30060	30040	32056	34465	32060
25505	30060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30040	32056	31063	30471
25505	31060	30040	31056	34464	30460	25505	31060	30040	30056
30060	30060	25505	30060	30040	30056	30060	30060	25505	30060
30040	30056	30060	30060	25505	30060	30040	30056	30060	30060
25505	30060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30055	34456	34471	34471
25505	32060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30055	34456	34471	34471
25505	32060	34461	32067	31440	32464	20040	30462	20040	31463
34461	32067	31440	32464	20040	31062	20040	33440	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30040	30456	32470	34464	25505	30060	30040	31456	34067	31466
25505	30060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30055	34456	34471	34471
25505	32060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30055	34456	34471	34471
25505	32060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30055	34456	34471	34471
25505	32060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30040	30456	30462	33466	25505	32060	30040	31056	32466	30065
25505	31460	30040	30456	33067	32066	25505	31460	30040	31456
32071	34071	25505	31060	34461	32067	31440	32464	20040	30462
20040	31465	34461	32067	31440	32464	20040	31062	20040	33440
30040	32056	31063	30063	25505	30460	30040	31456	34466	34466
25505	30460	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30040	31056	31470	33470
25505	30060	30040	33456	34065	33066	25505	30060	30040	31056
33064	30064	25505	32060	30040	30456	30060	32463	25505	31460
30055	34456	34471	34471	25505	32060	30055	34456	34471	34471
25505	32060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	30040	30056	30060	30060
25505	30060	30040	30056	30060	30060	25505	30060	30040	30056
30060	30060	25505	30060	30040	30056	30060	30060	25505	30060
30040	31056	33467	30466	25505	31460	30040	31456	33063	31070
25505	31060	30055	34456	34471	34471	25505	32060	30055	34456
34471	34471	25505	32060	30055	34456	34471	34471	25505	32060
30055	34456	34471	34471	25505	32060	34461	32067	31440	32464
20040	31062	20040	34040	34461	32067	31440	32464	20040	31062

OCTAL DUMP

NSSDC - TAPE

HELIOS 1 Exp. 6

345, 1974 - 366, 1976

First records

30040	31056	34465	33460	25505	32060	30040	32056	34071	32063
25505	31060	30040	32056	31063	31461	25505	31060	30040	30456
30062	30066	25505	31060	30040	33056	30460	34070	25505	30060
30040	33056	34066	31462	25505	30060	30040	30056	30060	30060
25505	30060	30040	30056	30060	30060	25505	30060	30040	30056
30060	30060	25505	30060	30040	30056	30060	30060	25505	30060
30040	30056	30060	30060	25505	30060	30040	30056	30060	30060
25505	30060	30040	31056	32471	32071	25505	31460	30040	30456
34066	31464	25505	31060	30040	30456	30460	34071	25505	32060
30040	30456	33061	31062	25505	31460	30040	30456	31471	32061
25505	31460	30040	31456	33062	33464	25505	31060	34461	32067
31440	32464	20040	31462	20040	33440	34461	32067	31440	32464
20040	31462	20040	34465	30040	33056	32465	31466	25505	30460
30040	31056	33063	32470	25505	30460	30040	30456	32060	30463
25505	30460	30040	33456	32465	33470	25505	30060	30040	30056
30060	30060	25505	30060	30040	30056	30060	30060	25505	30060
30040	32056	30066	33071	25505	30060	30040	32456	31060	32471
25505	30060	30040	31056	34465	32467	25505	32060	30040	32456
32463	31460	25505	31060	30040	31056	34062	30061	25505	31060
30040	34456	31464	34460	25505	30460	30040	33456	34461	32065
25505	30060	30040	33456	33070	31464	25505	30060	30040	30056
30060	30060	25505	30060	30040	30056	30060	30060	25505	30060
30040	33056	32466	33467	25505	30060	30040	33456	31462	34462
25505	30060	30040	31056	33064	30070	25505	30060	30040	32056
32460	32067	25505	30060	30040	31056	33067	32064	25505	31460
30040	30456	32067	32065	25505	31060	30040	34056	30464	30462
25505	31460	30040	30456	31061	30464	25505	31460	30040	30456
32071	31460	25505	31460	30040	31456	34064	34464	25505	31060
34461	32067	31440	33064	20040	30040	20040	30040	34461	32067
31440	33064	20040	30440	20040	34465	30040	33056	34465	34465
25505	30460	30040	30456	33465	30460	25505	30460	30040	30456
34460	32063	25505	30460	30040	32456	32061	30063	25505	30060
30040	30456	30071	33464	25505	30060	30040	31056	32065	31465
25505	30060	30040	31456	32463	33465	25505	30060	30040	31056
31470	30466	25505	30060	30040	31056	31065	30067	25505	32060
30040	31456	34064	33067	25505	31060	30040	32056	31470	30070
25505	31060	30040	34456	31460	32061	25505	30460	30040	30056
30060	30060	25505	30060	30040	30056	30060	30060	25505	30060
30040	30456	30470	30466	25505	30060	30040	31056	34460	34064
25505	30060	30040	31056	31462	31062	25505	30060	30040	31056
33067	34467	25505	30060	30040	30456	33460	30070	25505	30060
30040	30456	33467	31062	25505	30060	30040	31056	30067	30464
25505	31460	30040	30456	32061	34460	25505	31060	30040	30456
34460	33464	25505	32060	30040	34056	31065	32062	25505	31060
30040	30456	33470	34071	25505	31460	30040	31056	33462	33071
25505	31060	34461	32067	31440	33064	20040	30440	20040	34465
34461	32067	31440	33064	20040	31040	20040	34465	30040	33056
33071	31471	25505	30460	30040	31056	34062	31462	25505	30460
30040	30056	30060	30060	25505	30060	30040	30056	30060	30060
25505	30060	30040	30456	31063	30466	25505	30460	30040	34456
30065	34066	25505	30060	30040	31056	30460	31463	25505	30060
30040	31456	30061	33466	25505	30060	30040	31056	31065	33061
25505	32060	30040	32056	31071	33466	25505	31060	30040	31456
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25505	30060	30040	32056	32062	31461	25505	30060	30040	32056
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34061	31460	25505	31460	30040	30456	32067	33471	25505	31060
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25505	31460	30040	30456	31465	32071	25505	31460	30040	31056
30071	30471	25505	31060	34461	32067	31440	33064	20040	31040
20040	34465	34461	32067	31440	33064	20040	31440	20040	34463
30040	33056	34065	30070	25505	30460	30040	31056	32070	30063
25505	30460	30040	31056	33061	34461	25505	30060	30040	32056
30062	33060	25505	30060	30040	30456	31071	30067	25505	30460