

3.8.92: I asked Peter to confirm the presence of  
helicopters.

list airdat

Dear Adrian,

I am including two files for you. The first contains the model codes for each aircraft. The second contains the data I sent previously together with the corresponding model codes which are the second set of numbers on each line. Are you using the log transformed data for your analyses?

Also, has anybody agreed to comment on the MSc proposal which I sent up?

Regards,

Peter.

>>>>AIRMIS<<<<

#### INTRODUCTION

THE AIRMIS AND ASSOCIATED FILES CONTAIN INFORMATION ABOUT AIRCRAFT AND HELICOPTERS BUILT UP TO 1979, AND HAVE BEEN COMPILED FROM "JANE'S ENCYCLOPAEDIA OF AIRCRAFT".

EACH AIRCRAFT HAS AN ASSOCIATED CODE NUMBER (WHICH IS EXPLAINED IN "NOTES TO AIRMIS" BELOW). THE CODE NUMBER ENABLES THE INFORMATION PRESENT TO BE USED IN STATISTICAL PACKAGES THAT CAN ONLY READ DIGITS.

THE INFORMATION COVERED BY THESE FILES IS AS FOLLOWS;

A. THE MANUFACTURER'S NAME AND THE NAME OF THE AIRCRAFT. WHERE RELEVANT THE TYPE ALSO HAS A MODEL NAME/NUMBER.

B. THE DATE THAT THE AIRCRAFT FIRST ENTERED SERVICE.

C. THE COUNTRY IN WHICH THE AIRCRAFT WAS BUILT.

D. THE GEOMETRY OF THE AIRCRAFT. (I.E. BIPLANE, TRIPLANE ETC.)

E. THE ENGINE TYPE, POWER AND THE NUMBER OF ENGINES.

F. THE WING SPAN, LENGTH OF THE CRAFT, OR THE ROTOR DIAMETER IF IT IS A HELICOPTER.

G. THE MAXIMUM TAKEOFF WEIGHT, MAXIMUM SPEED, AND RANGE.

H. THE NUMBER OF PRODUCTION TYPES MADE.

THE INFORMATION RELATING TO A.-E. ABOVE IS CODED. THE CODES AND AN EXPLANATION

OF THESE CAN BE FOUND IN THE NOTES AS AFOREMENTIONED.

THIS FILE CONTAINS ALL THE NAMES OF THE CRAFT AND MANUFACTURERS AND THE ASSOCIATED CODE NUMBER. THE SECOND FILE (AIRDATA) GIVES THIS CODE NUMBER PLUS THE INFORMATION A.-H. ABOVE SO THE TWO NEED TO BE CONSULTED IN TANDEM IN ORDER TO MAKE SENSE OF THE FIGURES.

IN ADDITION A COPY OF THE NUMERICAL INFORMATION IN AIRDATA IS STORED UNDER THE FILENAME "AIRSTAT". THIS FILE LACKS EXPLANATORY NOTES AND HEADINGS AND IS DESIGNED FOR USE IN STATISTICAL PACKAGES.

#### NOTES TO AIRMIS

##### A. MODEL CODE

THE MODEL CODE CONSISTS OF SIX FIGURES. THE FIRST TWO DENOTE THE FIRST LETTER OF THE MANUFACTURER'S NAME (AND GO FROM 00-26). THE SECOND TWO NUMBERS REFER TO THE POSITION OF THAT FIRM ON THE LIST. FOR EXAMPLE THE NTH FIRM BEGINNING WITH THE LETTER "C" WILL APPEAR AS 030N. THE LAST TWO DIGITS

REFER TO THE DIFFERENT PLANES PRODUCED BY THE SAME COMPANY,SO THAT IF X IS THE THIRD TYPE OF PLANE LISTED ,MADE BY A PARTICULAR FIRM THE LAST TWO NUMBERS WILL BE 03.

EXAMPLE: A CESSNA XA4 MIGHT BE THE FIRST CESSNA MODEL REFERED TO AND WILL  
THUS HAVE THE CODE NUMBER; 030201  
IF CESSNA IS THE SECOND MANUFACTURER THAT BEGINS WITH "C".

#### B.COUNTRY CODE

THE COUNTRY OF MANUFACTURE HAS A CODE AS LISTED BELOW;

ARGENTINA 001  
AUSTRIA 002  
BELGIUM 003  
BRAZIL 004  
CANADA 005  
CHINA 006  
CZECHOSLOVAKIA 007  
FRANCE 008  
GERMANY 009  
GREAT BRITAIN 010  
HOLLAND/NETHERLANDS 011  
ITALY 012  
INDIA 013  
ISRAEL 014  
JAPAN 015  
MEXICO 016  
N.ZEALAND 017  
ROMANIA 018  
1PAIN 019  
SWEDEN 020  
SWITZERLAND 021  
TAIWAN 022  
USA 023  
USSR 024  
YUGOSLAVIA 025  
SOUTH AFRICA 026  
AUSTRALIA 027  
HUNGARY 028  
POLAND 029  
COLLABORATION BETWEEN ONE OR MORE COUNTRIES 030

#### C.GEOMETRY CODE

BELOW IS THE GEOMETRY CODE.THIS IS EITHER GIVEN IN JANE'S OR DEDUCED FROM THE PICTURES PRESENT.CONSEQUENTLY AT TIMES IT HAS BEEN DIFFICULT TO SAY WITH ACCURACY WHAT GEOMETRY A GIVEN PLANE POSSESSES ,AND I HAVE INCLUDED A NOTE TO THAT EFFECT.

BIPLANE 001  
MONOPLANE-LOW WING CANTILEVER 002  
" -HIGH WING 003  
" -MIDDLE WING 004  
MIDDLE WING/DOUBLE TAIL 005  
SEAPLANE 006  
DELTA WING 007  
UPWARDS TAKEOFF 008  
HELICOPTER 009  
TRIPLANE 010  
VARIABLE GEOMETRY 011  
SHOULDER WING 012

#### D.ENGINE CODE

EACH TYPE OF ENGINE REFERED TO IN THE DATA HAS A NUMERICAL CODE AS FOLLOWS;

- 1.- PISTON ENGINE (TURBO CHARGED AND TURBO COMPOUND ENGINES ARE INCLUDED IN THIS CATEGORY).
- 2.- TURBOPROP ENGINE
- 3.- TURBOJET ENGINE
- 4.- TURBOFAN ENGINE
- 5.- TURBOSHAFT ENGINE (HELICOPTERS ONLY)
- 6.- ROCKETMOTOR
- 13.- POWER IS PROVIDED BY A COMBINATION OF ENGINES 1 AND 3.

#### E.UNITS

ENGINE POWER - THIS IS GIVEN IN KILOWATTS FOR PISTON ENGINES AND TURBOPROPS.

AN ALTERNATIVE UNIT SYSTEM IS USED TO DESCRIBE TURBOJET AND TURBOFAN ENGINES (LB/(FT\*FT)). IN THIS CASE THE ENGINE POWER

IS

DIVIDED BY A FACTOR OF 2.5 IN ORDER TO ALLOW GRAPHICAL REPRESENTATION ON THE SAME PAIR OF AXES.

WING SPAN/LENGTH - ARE IN METRES

MAXIMUM SPEED - IS IN KM/HOUR

RANGE - IS GIVEN IN KM

MAXIMUM TAKEOFF WEIGHT - IS IN KG

ROTOR DIAMETER - IS IN METRES

NB:

1.THE YEAR GIVEN IS WHERE POSSIBLE THE DATE ON WHICH THE PARTICULAR MODEL BEING CONSIDERED ENTERED SERVICE .WHEN THIS INFORMATION WAS NOT AVAILABLE THE YEAR GIVEN IS THE ONE ON WHICH THE FIRST AIRCRAFT IN THE SERIES ENTERED SERVICE.

2.IN ORDER OF PREFERENCE I CHOSE TO USE ; A.THE YEAR THAT THE MODEL ENTERED SERVICE (DENOTED BY THE NUMBER '3')

B.THE YEAR THAT THE MODEL FIRST FLEW AS A PRODUCTION MODEL OR THAT DELIVERIES STARTED (DENOTED BY THE NUMBER '2')

C.THE YEAR THAT THE PROTO-TYPE WAS TESTED OR FIRST FLEW.(DENOTED BY THE NUMBER '1'.)

3.WHEN SPEED WAS ORIGINALLY GIVEN AS A MACH NUMBER I HAVE USED THE CONVERSION;

MACH 1 = SPEED OF SOUND AT 10000 METRES (IN INTERNATIONAL STANDARD WEATHER CONDITIONS)

= 299.5 M/S = 1078.2 KM/H

4.WHEN THE NUMBER OF AIRCRAFT MADE IS GIVEN,THIS REFERS TO THE NUMBER OF PRODUCTION MODELS (AND DOES NOT INCLUDE PROTOTYPES),UNLESS OTHERWISE STATED.

5.WHEN THE LITERATURE HAS NOT STATED WHAT TYPE OF ENGINE IS BEING REFERED TO I HAVE ASSUMED THAT IT IS A PISTON ENGINE.

6.WHEN A NUMBER OF ENGINE TYPES HAVE BEEN GIVEN FOR A CERTAIN AIRCRAFT I HAVE TAKEN (IN ORDER OF PREFERENCE);

A.THE MOST COMMONLY USED ENGINE,OR IF THAT INFORMATION WAS NOT AVAILABLE

B.THE MIDDLE VALUE OF THOSE GIVEN,OR IF TWO VALUES APPEAR

C.THE LOWEST ENGINE POWER GIVEN AS THIS TENDS TO CORRESPOND TO INITIAL MODELS AND WILL THUS BE A REASONABLE APPROXIMATION TO THE ENGINE POWER USED IN PROTOTYPES/THE FIRST IN SERVICE MODELS.

LISTED BELOW ARE CODE NUMBERS BESIDE THE APPROPRIATE MANUFACTURER AND TYPE/  
MODEL OF AIRCRAFT.

CODE NUMBER	MANUFACTURER	TYPE/(MODEL)
010201	AERITALIA	
010202	"	
010301	AERMACCHI	
010302	"	
010401	AERO	
010501	AERO	
010502	"	
010503	"	
010504	"	
010505	"	
010601	AERO BOERO	
011301	AEROMIRE	
011302	"	
011303	"	
011501	AEROSPACE	
011601	AEROSPATIALE	
011602	"	
011603	"	
011604	"	
011605	"	
011606	"	
011607	"	
011608	"	
011609	"	
011614	"	
011615	"	
011616	"	
011617	"	
011801	AEROTEC	
012001	AGO	
012002	"	
012101	AGUSTA	
012102	"	
012103	"	
012201	AICHI	
012202	"	
012203	"	
012204	"	
012402	AIRCO	
012403	"	
012404	"	
012405	"	
012406	"	
012501	AIRSPED	OXFORD
012502	"	AMBASSADOR A557
012801	ALBATROS	BII
012802	"	CI
012803	"	CIII
012804	"	CVII
012805	"	CX
012806	"	CXII
012807	"	DII
012808	"	DIII
012809	"	W4

012901	AMIOT	143
012902	"	354
013001	ANF	115
013101	ANSALDO	A 300
013102	"	SVA5
013201	ANTONOV	AN2
013202	"	AN12
013203	"	AN14
013204	"	AN22
013206	"	AN26
013208	"	AN30
013209	"	AN32
013301	ARALDO	AR65
013302	"	AR68
013303	"	AR196
013304	"	AR232
013305	"	AR234
013401	ARMSTRONG WHITWORTH	AW15 ATLANTA
013402	"	ENSIGN
013403	"	ARGUSY
013404	"	" (BIPLANE)
013405	"	ATLAS
013406	"	AW38 WHITLEY
013407	"	MK8
013408	"	SISKIN
013501	ATLAS	KUDU
013701	AVIA	14
013702	"	B534
013703	"	BH21
013704	"	BH33
013801	AVIATIONS FAIREY	FIREFLY
013901	AVRO	504 K
013902	"	555 BISON
013903	"	616 AVIAN
013904	"	621 TUTOR
013905	"	652A ANSON
013906	"	679 MANCHESTER
013908	"	685 YORK
013910	"	694 LINCOLN
013911	"	VULCAN
020101	BAC	VC 10
020102	BAC	JET PROVOST
020103	"	CANBERRA
020104	"	LIGHTNING
020105	"	STRIKEMASTER
020201	BAE	ONE ELEVEN
020202	"	125
020203	"	748
020204	"	HARRIER
020205	"	HAWK
020206	"	NIMROD
020207	"	TRIDENT
020208	"	BULLDOG 120
020209	"	JETSTREAM (?)
020210	BAE/AEROSPATIALE	CONCORDE
020301	BEECH	17 STAGGERWING
020302	"	18
020401	BUCHCRAFT	BONANZA
020402	"	45 MENTOR
020403	"	50 TWIN BONANZA

020404	"	QUEEN AIR
020405	"	55 BARON
020406	"	BONANZA 36
020407	"	BARON E55
020408	"	DUKE 60
020409	"	KING AIR 90
020410	"	KING AIR 100
020411	"	SIERRA
020412	"	KING AIR 200
020413	"	DUCHESS
020501	BELL	AIRCOBRA
020502	"	P-63 KINGCOBRE
020503	"	MODEL 47
020504	"	MODEL 204
020505	"	MODEL 205
020506	"	206 JET RANGER
020507	"	206 LONG RANGER
020508	"	212
020509	"	222
020510	"	KIOWA
020601	BELLANCA	AIRCRAUISER
020602	"	VIKING
020603	"	CITABRIA
020604	"	SKYROCKET
020701	BERIER	M 12
020702	"	MBR2
020801	BLACKBURN	KANGAROO
020802	"	SWIFT
020803	"	RIPON
020804	"	BLUEBIRD IV
020805	"	B2
020806	"	B5 BAFFIN
020807	"	B6 SHARK
020809	"	B24 SKUA
020810	"	ROC
020811	"	BOTHA
020812	"	B37 FIREBRAND
020813	"	BEVERLEY
020901	BLERIOT	SPAD 61
020902	"	SPAD 81
020903	"	SPAD 510
021001	BLOCK	131
021002	"	150
021003	"	174/175
021004	"	200
021005	"	210
021101	BOEING	15 PW9
021102	"	40B4
021103	"	77
021104	"	F12
021105	"	247
021106	"	266
021107	"	307 STRATOLINER
021108	"	314 CLIPPER
021109	"	B 17
021110	"	B 29
021111	"	377 STRATOCRUISER
021112	"	B 47E
021113	BOEING	B 464-B 52
021114	"	707

021115	"	727
021116	"	737
021117	"	747
021118	"	VERTOL
021119	"	" 114
021201	BOULTER PAUL	OVERSTRAND
021301	BREDA	BA 65
021302	"	BA 88
021401	BREGNET	14
021402	"	19
021403	"	521 BIZIRTE
021404	"	690
021405	"	765
021406	"	ALIZES
021407	"	ATLANTIQUE
021501	BREWSTER	F2A
021601	BRISTOL	SCOUT
021602	"	F2
021603	"	MIC
021604	"	BLLENHEIM
021605	"	BEAUFORT
021606	"	BEAUFIGHTER
021607	"	FREIGHTER
021608	"	BRITANNIA
021609	"	SYCAMORE
021610	"	192
021801	BRITTEN NORMAN	ISLANDER
021802	"	TRISLANDER
030101	CAMS	53
030102	"	55
030201	CANADAIR	
030202	"	CL 28 ARGUS
030203	"	CL 215
030301	CAPRONI	AP1
030302	"	CA 3
030303	"	CA 5
030304	"	CA 73
030305	"	CA 101
030306	"	CA 111
030307	"	CA 133
030308	"	CA 135
030309	"	CA 314
030401	CASA	212
030501	CANDRION	GUJELAND (?)
030701	CESSNA	MODEL A
030702	"	UC 78 B
030703	"	A 150
030704	"	152
030705	"	172
030706	"	177
030707	"	180
030708	"	188
030709	"	U 206
030710	"	210
030711	"	305
030712	"	310
030713	"	318D
030714	"	337
030715	CESSNA	340
030716	"	402

030717	"	404
030718	"	414
030719	"	421
030720	"	441
030721	"	500
030801	CHANCE VOUGHT	CORSAIR
030802	"	F74 CUTLASS
030901	COMMONWEALTH	BROMERERY
031001	CONSOLIDATED	B24 LIBERATOR
031002	"	CATALINA
031003	"	CORONADE
031101	CONVAIR	880
031102	"	990 CORONADE
031103	"	B 36
031104	"	F102
031105	"	F106
031106	( NO NAMES GIVEN WITH THE DATA COLLECTED )	
031201	CRDA	CANT 2501
031202	"	CANT 2506
031203	"	CANT 21007
031301	CURTISS	C-46 COMMANDO
031302	"	CS1
031303	"	CS2
031304	"	SC-1
031305	"	SC-2
031306	"	O-1B FALCON
031307	"	O-1E FALCON
031308	"	O-39
031309	"	XF8C-1/F8C-1
031310	"	F8C-4 HELLDIVER
031311	"	F8C-5
031312	"	F9C-2 SPARROWHAWK
031313	" (H-SERIES)	H-12
031315	"	JN-4 'JENNY'
031316	"	NAVY CURTISS NC
031317	"	P-6E HAWK
031318	"	P-36 A/HAWK 75
031319	"	P-40 WARHAWK
031320	"	SB2C-1 HELLDIVER
031321	"	SB2C-3
031322	"	SBC-4
031323	"	SC SEAHAWK
040101	DASSAULT	SUPER ETENDARD
040102	"	M.D.450 OURAGAN
040103	"	MIRAGE III
040104	"	MIRAGE IV-A
040106	"	MIRAGE 2000
040107	"	F1
040108	"	SUPER MYSTERE B-2
040109	"	MYSTERE-FALCON 20
040201	DE HAVILLAND	D.H.16
040202	"	D.H.18
040203	DE HAVILLAND	D.H.50
040204	"	D.H.60 MOTH
040205	"	D.H.60 G GYPSY MOTH
040206	"	D.H.66 HERCULES
040207	"	D.H.80.A. PUSS MOTH
040208	"	D.H.82.A TIGER MOTH
040209	"	D.H.83.C FOX MOTH
040210	"	D.H.84 DRAGON



040211	"	" (BUILT IN AUSTRALIA)
040212	"	D.H.86
040213	"	D.H.87 HORNET MOTH
040214	"	D.H.89 DRAGON RAPIDE
040215	"	D.H.98 MOSQUITO
040216	"	D.H.100 VAMPIRE
040217	"	D.H.103 HORNET
040218	"	D.H.104 DOVE SERIES 7
040219	"	D.H.106 COMET
040220	"	D.H.114 HERON
040221	DE HAVILLAND CANADA	DHC-2 BEAVER
040222	"	DHC-3 OTTER
040223	"	DHC-4 CARIBOU
040224	"	DHC-5 BUFFALO
040225	"	DHC-6 TWIN OTTER
040226	"	DHC-7 DASH 7
040301	DEWOITINE	D9
040302	"	D21
040303	"	D27
040304	"	D37
040305	"	D338
040306	"	D500
040307	"	D520
040401	DFW	C.V
040501	DORLAND	AR.1
040502	DORLAND	AR.2
040601	DORNIER	DO J WAL
040602	"	DO 17 Z-2
040603	"	DO 18
040604	"	DO 24
040605	"	DO 27
040606	"	DO 28D-2
040607	"	DO 217
040701	DOUGLAS	DT-3
040702	"	M-4
040703	"	O.46 A
040704	"	TBD-1 DEVASTATOR
040705	"	B-18 A BOLO
040706	"	DC-3
040707	"	SBD-5
040708	"	A 20 G
040709	"	DC-4 1009
040710	"	DC-5
040711	"	A-26C INVADER
040712	"	AD-7 SKYRAIDER
040713	"	DC-6
040714	"	A3D SKYWARRIOR
040715	"	DC-7
040716	"	B-66 DESTROYER
050101	EMBRAER	EMB-110 BANDEIRANTE
050102	"	EMB-201 A IPANEMA
050201	ENSTROM	F-28C/280C
050301	ETRICH	TAUBE
060101	FAIRCHILD	24/FORWARDER
060102	"	62/PT-26 CORNELL
060103	"	C-119K FLYING BOX CAR
060104	"	C-123K PROVIDER
060201	FAIRCHILD INDUSTRIES (HILLER)	FH-1100
060301	FAIRCHILD REPUBLIC	A-10A THUNDERBOLT II
060401	FAIREY	IIID LANDPLANE

060402	"	IIID SEAPLANE
060403	"	IIIF LANDPLANE (MKIII)
060404	"	IIIF SEAPLANE (MKIII)
060405	"	ALBACORE LANDPLANE
060406	"	ALBACORE SEAPLANE
060407	"	BARRACUDA II
060408	"	BATTLE
060409	FAIREY	FAWN MK II
060410	"	FIREFLY (5)
060411	"	FLYCATCHER
060412	"	FOX
060413	"	FULMAR MK I
060414	"	GANNET AS-4
060415	"	GORDON I
060416	"	LONG-RANGE MONOPLANE
060417	"	SWORDFISH I
060501	FARMAN	F.60 GOLIATH
060502	"	F 222
060503	"	MF 11
060601	FBA	FLYING BOATS (TYPE H)
060701	FELIXSTOWE	F.2A
060801	FIAT	B.R.3.
060802	"	B.R.20M CICOGNA
060803	"	C.R.20
060804	"	C.R.30
060805	"	C.R.32
060806	"	C.R.42
060807	"	G.12
060808	"	G.50 FRECCIA
060809	"	G.55 CENTAURO
060901	FIESELER	F1 156 STORCH (156C-3)
061001	FMA	IA.50 GUARANI (GII)
061002	"	IA.58 PUCARA
061101	FOCKE-WULF	FW 56 STOSSER
061102	"	FW 189 UNJ
061103	"	FW 190
061104	"	FW 200 CONDOR (200C-3)
061105	"	TA 152H-1
061201	FOKKER	D.V.
061202	"	D.V.II
061203	"	D.V.III
061204	"	E.III
061205	"	C.V.
061206	"	C.X.
061207	"	D.X1
061208	"	F.VIIA-3M/F.VIIB-3M
061209	"	VFW F.27 FRIENDSHIP
061210	"	VFW F.28 FELLOWSHIP
061211	"	F.32.
061301	FRIEDRICHSHAFEN	FF49C
061302	"	G III
070101	GAF	NOMAD
070201	GATES	LEARJET 24F
070301	GENERAL DYNAMICS	F-111F
070302	"	F-16A
070401	GLOSTER	E 28/29
070402	"	GAMECOCK
070403	"	GAUNTLET MKI
070404	"	GLADIATOR II
070405	"	GREBE

070406	"	JAVELIN (F(AW)9)
070407	"	METEOR (F8)
070501	GOTHA	G TYPES (G.IV)
070502	"	W.D.14
070601	GOURDOU-LESEURRE	810 HY
070602	"	TYPE B2/G.L.21
070701	GRIGOVOVICH	I-2
070801	GRUMMAN	A-6 INTRUDER (A-6E)
070802	"	AF GUARDIAN
070803	"	E-2 HAWKEYE
070804	"	F2F-1
070805	"	F4F-4 WILDCAT
070806	"	F6F-5 HELLCAT
070807	"	F7F-3 TIGERCAT
070808	"	F8F-1 BEARCAT
070809	"	F9F-8T COUGAR
070810	"	F9F-5 PANTHER
070811	GRUMMAN	F11F TIGER
070812	"	F-14 TOMCAT
070813	"	FF-1 (GOBLIN 1)
070814	"	J2F-6 DUCK
070815	"	J4F MODEL G-44 SUPER WIDGEON
070816	"	JRF/MODEL G-21A TURBO-GOOSE
(G-21G)		
070817	"	OV-1 MOHAWK (OV-10)
070818	"	S-2 TRACKER (S-2E)
070819	"	TB AVENGER (TBM-3E)
070820	"	U-16 ALBATROSS (MU-16B)
070901	GULFSTREAM AMERICAN	GULFSTREAM II
070902	"	GULFSTREAM III
080101	HAL	HF-24 MARUT
080102	"	AJEET
080201	HALBERSTADT	C.V.
080202	"	CL II
080203	"	D TYPES (DIII)
080301	HANDLEY PAGE	H.P.42 (W)
080302	"	O/100
080303	"	O/400
080304	"	HALIFAX (VI)
080305	"	HAMPDEN
080306	"	HARROW (MK II)
080307	"	HASTINGS (C.2)
080308	"	H.P.R.7. HERALD (SERIES 200)
080309	"	HEYFORD (MKII/III)
080310	"	HINAIDI II
080311	"	VICTOR (B.2)
080312	"	W.10
080401	HANNOVER	CL.III(A)
080501	HANRIOT	HD-1
080601	HANSA-BRANDENBURG	W.12
080602	"	W.29
080701	HAWKER	ANDAX
080702	"	DEMON
080703	"	FURY II
080704	"	FURY/SEA FURY (F.B.11)
080705	"	HART
080706	"	HIND
080707	"	HORSLEY
080708	"	HUNTER (F.4)
080709	"	HURRICANE

080710	"	OSPREY (LANDPLANE MK IV)
080711	"	(ARMSTRONG WHITWORTH) SEA HAWK
(F(GA).6)		
080712	"	TEMPEST (MK II)
080713	"	TYPHOON (1B)
080714	"	WOODCOCK
080801	HAWKER SIDDELEY	BUCCANEER (S.2.B)
080802	"	GNAT
080901	HEINKEL	HE 45 (C)
080902	"	HE 46
080903	"	HE 51(A)
080904	"	HE 70(F)
080905	"	HE 111 (HE 111H-16)
080906	"	HE 115 (B)
080907	"	HE 162 (A)
080908	"	HE 177 GREIF (HE 177A-5)
080909	"	HE 178
081001	HELIO	SUPER COURIER (U-10 B)
081101	HENSCHEL	HS 123
081102	"	HS 126 (HS 126B-1)
081103	"	HS 129 (HS 129B-2)
081201	HILLER	UH-12/360,H.23 RAVEN (UH-12E)
081301	HISPANO	HA-220 SUPER SAETA
081401	HUGHES	MODEL 300 (300C)
081402	"	OH-6 CAYUSE (OH-6A)
081403	"	YAH-64
081501	HUNTING	PERCIVAL P.56
081502	"	P.66 PEMBROKE
090101	I.AE	24 CALQUIN
090201	IAI	201 ARARA
090202	"	1124 WESTWIND I
090203	"	KFIR-C2
090301	IAR	80
090401	ILYUSHIN	DB-3 (DB-3F VARIANT)
090402	"	IL-2 SHTURMOVIK
090403	"	IL-12
090404	"	IL-14
090405	"	IL-18 (IL-18E)
090406	"	IL-62
090407	"	IL-76T
090408	"	IL-86
100101	JUNKERS	F13
100102	"	J1
100103	"	JU 52/3M (G7E)
100104	"	JU 87 (JU 87 D-1)
100105	"	JU 88 (JU 88 A-4)
100106	"	JU 188 (JU 188 A)
100107	"	JU 290 (JU 290 A-8)
100108	"	W 34 (LANDPLANE)
110101	KALININ	K5
110201	KAMAN	H-2 SEASPRITE (SH-2F)
110202	"	H-43 HUSKIE (HH-43F)
110301	KAMOV	KA-25K
110302	"	KA-26
110401	KAWANISHI	NAVY E7K (E7K2)
110402	"	NAVY H6K (H6K4)
110403	"	NAVY H8K (H8K2)
110501	KAWASAKI	ARMY TYPE 88
110502	"	ARMY KI-3
110503	"	ARMY KI-10 (KI-10-I)

110504	"	ARMY KI-32
110505	"	ARMY KI-45 KAI (MODEL A)
110506	"	ARMY KI-48 (MODEL II)
110507	"	ARMY KI-61 (KI-61-IB)
110508	"	ARMY KI-100 (KI-100-IB)
110509	"	ARMY KI-102 (KI-102B)
110510	"	P-2J
110511	"(BOEING VERTOL)	KV-107/II-2
110601	KEYSTONE	BOMBERS (B-3A)
110701	KYUSHU	NAVY K11W (K11W1)
120101	LAKE	LA-4-200 BUCCANEER
120201	LATECOERE	298
120202	"	300 SERIES (302)
120203	"	380/381
120301	LAVOCHKIN	LA GG-3
120401	LET	L-410 TURBOLET (L-410 UVP)
120501	LETORD	1-7 (LET-1)
120601	LETOR	S-16 SERIES (S-16)
120602	"	S-328
120701	LEVASSEUR	P.L.2.
120702	"	P.L.7.
120703	"	P.L.15.
120801	LFG ROLAND	C.II
120802	"	D.II
120803	"	LFG ROLAND DV1(DV1B)
120901	LOIRE ET OLIVIER	7
120902	"	20
120903	"	451
120904	"	H-13 SERIES
120905	"	H-25 SERIES (LE O H-257 BIS)
121001	LLOYD	C TYPES (CIII)
121101	LOCKHEED	C-5A GALAXY
121102	"	C-130 HERCULES (C-130 A)
121103	"	C-141 STARLIFTER (C-141A)
121104	"	F-80 SHOOTING STAR (F-80C)
121105	"	F-104 STARFIGHTER (F-104S)
121106	"	L.10 ELECTRA (L.10A)
121107	"	L.14 SUPER ELECTRA
121108	"	L.18 LODESTAR (C-56 LODESTAR1)
121109	"	L.188 ELECTRA
121110	"	L-1011 TRISTAR (L-1011-500)
121111	"	P-2 NEPTUNE (P-2H)
121112	"	ORION (P-3C)
121113	LOCKHEED	P-38 LIGHTNING (P-38L)
121114	"	PV,VENTURA (PV-1)
121115	"	S-3A VIKING
121116	"	SR-71 A
121117	"	T2V SEASTAR (T2V-1)
121118	"	T-33A SHOOTING STAR
121119	"	U-2 (U-2B)
121120	"	CONSTELLATION
121121	"	JETSTAR (II)
121123	"	VEGA (S-B)
121201	LOENING	OL (OL-8)
121301	LOIRE	46
121302	"	130
121401	LOIRE-GOURDOU-LESEURRE	32.C1
121501	LOIRE-NIEUPORT	401/411
121601	LUSCOMBE	MODEL 8 SILVAIRE (8F SPECIAL)
121701	LVG	C.II

121702	"	C.VI
130101	MACCHI	L.2/M.3
130102	"	M.5 (V.6 ENGINE)
130103	"	M.24 (MILITARY VERSION)
130104	"	MC.200 SAETTA
130105	"	MC.202 FOLGORE (ROMEO BUILT ENGINE)
130201	MARTIN	4-0-4
130202	"	130 CHINA CLIPPER
130203	"	167 MARYLAND
130204	"	A-30 BALTIMORE (MK V)
130205	"	AM-1 MAULER
130206	"	B-10/B-12 (MODEL 166,CYCLONE
ENGINE)		
130207	"	B-26 MARAUDER (B-26B/C,R-2800-43
ENGINES)		
130208	"	PSM MARLIN (PSM-2)
130209	"	PBM MARINER (PBM-5A)
130210	"	T3M-2
130211	"	JRM MARS (JRM-2)
130301	MARTINSYDE	ELEPHANT
130401	MAX HOLSTE	M.H.1521 BROUSSARD
130501	MAYO	COMPOSITE (MERCURY)
130601	MBB	BO 105 (BO 105CB)
130602	"	BO 208C JUNIOR
130603	"	HFB 320 HANSA (LATEST)
130701	MCDONNELL	F2H BANSHEE (F2H-2)
130702	"	F3H DEMON (F3H-2N)
130703	"	FH-1 PHANTOM
130801	MCDONNELL DOUGLAS	A-4 SKYHAWK (A-4M SKYHAWK II)
130802	"	DC-8 (SUPER 63)
130803	"	DC-9 (DC-9-30)
130804	"	DC-10 (DC-10-30)
130805	"	F-4 PHANTOM II (F-4E)
130806	"	F-15 EAGLE (F-15A)
130807	"	F/A-18 HORNET
130901	MESSERSCHMITT	BF 109 (BF 109G-6)
130902	"	BF 110 (BF 110G-4C)
130903	"	ME 163 KOMET (ME 163B-1)
130904	"	ME 210A-1
130905	"	ME 262 (ME 262A-1A)
130906	"	ME 321/ME 323 GIGANT (ME 323E)
131001	MIKOYAN-GUREVICH	MIG-1/-3/-5 (MIG-3)
131002	"	MIG-9
131003	"	MIG-17 (MIG-17F)
131101	MIKOYAN	MIG-19/F-6/A-5 (MIG 19SF OR
F-6)		
131102	"	MIG-21 (MIG-21MF)
131103	"	MIG-23 (MIG-23S)
131104	"	MIG-25 (FOXBAT A)
131201	MIL	MI-1 + WSK-PZL SWIDNIK SM-1 (SM-1W)
131202	"	MI-4
131203	"	MI-6
131204	"	MI-8 (V-8)
131205	"	MI-10
131301	MILES	M.14 MAGISTER
131302	"	M.19 MASTER II
131303	"	M.65 GEMINI
131401	MITSUBISHI	NAVY IMF (IMF 3B)
131402	"	A5M (A5M4)
131403	"	A6M ZERO-SEN (A6M5)

131404	"	NAVY BIM (BIMI)
131405	"	F-1
131406	"	NAVY FIM2
131407	"	G3M (G3M2)
131408	"	G4M (G4M2A)
131409	"	ARMY KI-2 (MODEL 1)
131410	"	ARMY KI-15/CSM (KI-15-II)
131411	"	ARMY KI-46
131412	MITSUBISHI	ARMY KI-51
131413	"	MJ-2 (MARQUISE)
131414	"	T-2
131501	MOONEY	RANGER
131601	MORANE-SAULNIER	TYPE AI (MOS 27CI)
131602	"	MS 130
131603	"	MS 225
131604	"	MS.405/406 (MS.406 CI)
131605	"	MS.733 ALCYON
131606	"	MS.760 PARIS
131701	MYASISHCHER	M-4 (BISON-A)
140101	NAKAJIMA	NAVY B5N (BSN2)
140102	"	NAVY B6N TENZAN (B6N2)
140103	"	NAVY C6N SAIUN
140104	"	NAVY JINI GEKKO
140105	"	ARMY KI-27
140106	"	ARMY KI-43 HAYABUSA
(KI-43-IIB)		
140107	"	ARMY KI-44 SHOKI (KI-44-IIB)
140108	"	ARMY KI-49 DONRYU
140109	"	ARMY KI-84 HAYATE (KI-84-I)
140110	"	ARMY TYPE 91
140201	NAMC	YS-11 (YS-11A-200)
140301	NIEUPORT	28
140401	NIEUPORT-DELAJE	NID 29
140402	"	NID 62CI
140501	NORTH AMERICAN	AT-6/NA-16 SERIES (T-64)
140502	"	B-25 MITCHELL (B-25J)
140503	"	F-86 SABRE (F-86F)
140504	"	F-100 SUPER SABRE (F-100D)
140505	"	FJ FURY (FJ-4)
140506	"	T-28 TROJAN (T-28A)
140507	"	ROCKWELL A-5 VIGILANTE (RA-5C)
140601	NORTHROP	A-17 (A-17A)
140602	"	F-5 (F-5A)
140603	"	F-5 TIGER II (F-5E)
140604	"	F-89 SCORPION (F-89D)
140605	"	P-61 BLACK WIDOW (P-61B)
160101	PANAVIA	TORNADO (STRIKE VERSION)
160201	PERCIVAL	P.50 PRINCE (SERIES III)
160202	"	PROCTER (IV)
160301	PETLYAKOV	PE-2
160302	"	PE-8
160401	PFALZ	D.111
160501	PHONIX	D.111
160601	PIAGGIO	P.108B
160602	"	P149D
160603	"	PD-808 (VIP)
160701	PIASECKI	H-21 WORKHORSE (H-21B/C)
160801	PILATUS	PC-6/B2-H2 TURBO-PORTER (NEW)
160901	PIPER	PA-18 SUPER CLUB (NEW)
160902	"	PA-25 PAWNEE 235 (D)

160903	"	PA-28 CHEROKEE 140 (140-4)
160904	"	PA-28 CHEROKEE 180/181
160905	"	PA-28 RT-201 ARROW IV
160907	"	PA-28-161 WARRIOR II
160908	"	PA-30 TWIN COMANCHE
160909	"	PA-31 NAVAJO
160910	"	PA-31-350 CHIEFTAIN
160911	"	PA-31 T CHEYENNE II
160912	"	PA-32 CHEROKEE SIX (SIX 300)
160913	PIPER	PA-34 SENECA II
160914	"	PA-38-112 TOMAHAWK
160915	"	PA-44-180 SEMINOLE
160916	"	AEROSTAR 600/601/601P (610P)
161001	POLIKARPOV	I-5 (M-22 ENGINE)
161002	"	I-15 FIGHTER SERIES (I-153)
161003	"	I-16 (I-16 TYPE 24)
161004	"	R-5
161005	"	R-Z
161006	"	PO-Z (U-2)
161101	POMILIO	PC,PD,PE (PE)
161201	POTEZ	XV AND XVIII (XV)
161202	"	25 (POTEZ 25TOE)
161203	"	29 (POTEZ 29-2)
161204	"	39 (POTEZ 390)
161205	"	54 (POTEZ 540)
161206	"	62 (POTEZ 62-0)
161207	"	63 (POTEZ 63-11)
161301	PZL	P-7 (P-7A)
161302	"	P-11 (P-11C,MERCURY VI ENGINE)
161303	"	P-23 AND P-43 (P-23B)
161304	"	P-24 (P-24F)
161305	"	P-37 (P-37B)
161306	"	104 WILGA 35 (35A)
161307	"	SWIDNIK (MIL) MI-2
180101	REGGIANE	RE 2001 FALCO II
180201	REPUBLIC	F-84 THUNDERJET (F-84G)
180202	"	F-105 THUNDERCHIEF (F-105D)
180203	"	P-43 LANCER (P-43)
180204	"	P-47 THUNDERBOLT (P-47D)
180301	ROCKWELL	MODELS 111/112 (ALPINE
COMMANDER)		
180302	"	COMMANDER 700
180303	"	TURBO COMMANDER 690B
180304	"	SABRELINER SERIES (NO.65 )
180305	"	INTERNATIONAL B-I
180306	"	INTERNATIONAL OV-10 BRONCO (OV-10A)
180307	"	INTERNATIONAL T-2 BUCKEYE (T-2C)
180401	ROYAL AIRCRAFT FACTORY	B.E.2. (B.E.2.C)
180402	"	F.E.2. (F.E.2.B)
180403	"	R.E.8
180404	"	S.E.5 AND S.E.5A (S.E.5A)
180501	RUMPLER	C.III TO C.VII (C.IV)
180601	RYAN	FR-1 FIREBALL
180602	"	S-T,ST AND PT SERIES (PT-22)
190101	SAAB	17
190102	"	18 (T 18 B)
190103	"	21A
190104	"	29 (J29B)
190105	"	35 DRAGEN (35S)
190106	"	37 VIGGEN (AJ37)



190107	"	105 (SK 60A)
190201	SALMSON	2A.2
190301	SAVOIA-MARCHETTI	S.55 (S.55X)
190302	"	S.M.79 SPARVIERO (S.M.79-11)
190303	"	S.M.81
190401	SAVOIA-POMILIO	S.P. SERIES (S.P.2)
190501	SCOTTISH AVIATION	TWIN PIONEER (SERIES 3)
190601	SEPECAT	JAGUAR (RAF JAGUAR)
190701	SEVERSKY	P-35
190801	SHIN MEIWA	PS-1 AND US-1
190901	SHORT	184
190902	"	BELFAST
190903	"	EMPIRE FLYING BOAT (S.23 LR)
190904	"	SKYVAN
190905	"	STIRLING (MK III)
191001	SIA	7 (7B2)
191002	"	9 (9B)
191101	SIAI	S.8
191201	SIAI-MARCHETTI	S.205 AND S.208 (S.205/20R)
191202	"	SF.260 (SF.260M)
191301	SIEMENS-SCHUCKERT	D.IV AND D.III (D.IV)
191401	SIKORSKY	CH-53E
191402	"	R-4 (R-4B)
191403	"	S-38
191404	"	S-42 (S-42B)
191405	"	S-51 AND R-5 (R-5)
191406	"	S-55 (H-19 CHICKASAW, WRIGHT ENGINE)
191407	"	S-58 (WESSEX MK 60)
191408	"	S-61A AND S-61B (SH-30)
191409	"	S-61L AND S-61N (S-61N MK II)
191410	"	S-61R (CH-3E)
191411	SIKORSKY	S-62 (HH-52A)
191412	"	S-64 SKYCRANE (CH-54A/S-64E)
191413	"	S-65A (CH-53D)
191414	"	S-70 BLACK HAWK
191415	"	VS-300
191416	"	LE GRAND/ILYA MOUROMETZ (LE
GRAND)		
191501	SOCATA	RALLYE SERIES (GAILLARD)
191601	SOKO	G2-A GALEB
191701	SOPWITH	1.5 STRUTTER
191702	"	CAMEL
191703	"	PUP
191704	"	SCHNEIDER AND BABY
191705	"	SNIPE
191706	"	TRIPLANE
191801	SPAD	VII
191802	"	XIII
191901	SUD-AVIATION	SO 4050 VANTOUR (VANTOUR II-N)
192001	SUD-EST	SE 161 LANGUEDOC
192101	SUKHOI	SU-7B (SU-7BM)
192102	"	SU-11
192103	"	SU-15
192104	"	SU-17
192201	SUPERMARINE	S.4, S.5, S.6, AND S.6B (FB.2)
192202	"	SCIMITAR
192203	"	SPITFIRE (MK XIV)
192204	"	SWIFT (FR.5)
192205	"	WALRUS (WALRUS II)
192301	SWEARINGEN	MERLIN III (III B)

200101	TACHIKAWA	ARMY KI-9
200102	"	ARMY KI-36 AND KI-55 (KI-36)
200201	TELLIER	T.3,T.4,T.5,T.C.6
200301	THOMAS-MORSE	MB-3 (MB-3A)
200401	TRANSALL	C-160 (FRENCH AIRFORCE/EXPORT
TYPES)		
S)		
200501	TUPOLEV	1-4 (ANT-5)
200502	"	R-6 (ANT-7)
200503	"	SB-1 (ANT-39)/SB-2
(ANT-40), (SB-2BIS)		
S)		
200504	"	TB-1 (ANT-4)
200505	"	TB-3 (ANT-6)
200506	"	TU-2 AND TU-6
200507	"	TU-22 (BLINDER A+B ESTIMATED)
200508	"	TU-26 (TU-22M) ESTIMATED
200509	"	TU-28P/TU-128 ESTIMATED
200510	"	TU-95 AND TU-142 (BEAR F)
ESTIMATE		
200511	"	TU-104 (TU-104A)
200512	"	TU-124 (TU-124V)
200513	"	TU-144
210101	UTVA	75
220101	VICKERS	F.B.5 AND F.B.9 (F.B.5)
220102	"	VALIANT (BK.1)
220103	"	VANGUARD (TYPE 953 FOR BEA)
220104	"	VILDEBEEEST (MK IV)
220105	"	VIMY (MKII)
220106	"	VINCENT
220107	"	VIRGINIA (MK X)
220108	"	VISCOUNT (TYPE 810)
220109	"	WELLESLEY (1)
220110	"	WELLINGTON (MK X)
220111	"	WARWICK (GR.V)
220201	VOISIN	TYPES I-X (TYPE X)
220301	VOUGHT	A-7 CORSAIR II (A-7E)
220302	"	F-8 CRUSADER (F-8E)
220303	"	OS2U KINGFISHER (OS2U-3
FLOATPLANE)		
220401	VULTEE	VENGEANCE A-31/A-35 (A-35B)
230101	WESTLAND	LYNX (GENERAL PURPOSE MODEL)
230102	"	LYSANDER (MK I)
230103	"	SEA KING (CURRENT)
230104	"	WALLACE (MK II)
230105	"	WAPITI (IIA)
230106	"	WASP AND SCOUT (SCOUT)
230107	"	WYVERN (S.4)
230201	WIBAULT	7 (WIBAULT 72)
230301	WIBAULT-PENHOET	280T-283T (283T)
230401	WRIGHT	FLYER AND EARLY GLIDERS
(FLYER)		
230402	"	MODEL A
250101	YAKOVLEV	YAK-1/-3/-7/-9 (YAK-1)
250102	"	YAK-1/-3/-7/-9 (YAK-9D)
250103	"	YAK-25/-26/-27 (FLASHLIGHT C)
250104	"	YAK-28 (28P ESTIMATE)
250105	"	YAK-42 (ESTIMATE)
250201	YOKOSUKA	D4Y SUISEI (D4Y2)

1	12801	14	82.0	12.80	7.60	1070.	105.	400.
2	13901	14	82.0	11.00	9.00	830.	145.	402.
3	220201	14	223.6	17.90	10.35	2200.	135.	500.
4	12001	15	164.0	14.50	9.80	1946.	138.	500.
5	12802	15	119.0	12.90	7.90	1190.	140.	400.
6	21601	15	74.5	7.50	6.30	653.	177.	350.
7	220101	15	74.5	11.13	8.28	930.	113.	402.
8	12402	16	279.5	14.30	9.40	1575.	230.	700.
9	12403	16	82.0	7.80	6.70	676.	175.	525.
10	12404	16	67.0	11.00	8.30	920.	106.	300.
11	12803	16	112.0	11.70	8.00	1353.	140.	560.
12	12804	16	149.0	12.80	8.70	1550.	170.	550.
13	12807	16	119.0	8.50	7.40	888.	175.	250.
14	13407	16	119.0	13.30	9.60	1275.	157.	450.
15	21401	16	238.5	14.90	8.90	1537.	183.	700.
16	21602	16	205.0	12.00	7.90	1292.	201.	600.
17	21603	16	82.0	9.40	6.20	611.	209.	175.
18	130101	16	119.0	15.95	10.25	1350.	145.	450.
19	190401	16	194.0	16.74	10.77	1700.	120.	450.
20	30302	17	336.0	22.20	10.90	3312.	135.	450.
21	30303	17	558.9	23.40	12.60	4920.	152.	600.
22	12405	17	287.0	14.30	9.40	1510.	176.	800.
23	70501	17	388.0	23.72	11.86	3625.	140.	500.
24	12002	17	164.0	11.90	9.80	900.	190.	600.
25	12805	17	194.0	14.40	9.20	1665.	175.	600.
26	12806	17	194.0	14.40	8.90	1640.	175.	600.
27	130102	17	186.3	9.70	8.00	1081.	205.	600.
28	140301	17	119.0	8.00	6.50	625.	196.	400.
29	160401	17	119.0	9.40	6.95	932.	165.	250.
30	180402	17	89.4	14.55	9.83	1378.	146.	400.
31	12808	17	126.7	9.10	7.30	886.	175.	350.
32	180404	17	149.0	8.11	6.38	902.	222.	547.
33	12809	17	119.0	9.50	8.50	1070.	159.	450.
34	220105	17	536.6	20.73	13.27	5670.	166.	1770.
35	20801	18	402.0	22.80	13.50	3636.	158.	800.
36	31316	18	298.0	38.40	20.85	12925.	146.	2365.
37	12406	18	298.0	14.00	9.20	2107.	185.	925.
38	60501	18	342.8	26.50	14.33	4770.	120.	400.
39	80303	18	536.0	30.48	19.16	6060.	157.	1205.
40	140401	18	223.6	9.70	6.50	1192.	226.	580.
41	191002	18	521.6	15.50	9.70	1900.	205.	600.
42	13102	18	186.3	9.10	8.10	1050.	230.	600.
43	40201	19	238.5	14.17	9.68	2155.	161.	684.
44	13408	19	287.0	10.10	7.70	1379.	251.	402.
45	20802	20	335.3	14.80	10.80	2858.	171.	563.
46	40202	20	335.3	15.62	11.89	3380.	206.	644.
47	60401	20	335.3	14.05	10.97	2290.	171.	885.
48	60402	20	335.3	14.05	11.28	2290.	171.	885.
49	21402	21	335.3	14.80	9.50	2347.	235.	800.
50	40701	21	335.3	15.24	11.42	3308.	161.	440.
51	13902	21	357.7	14.00	11.00	2630.	145.	557.
52	40301	22	313.0	12.24	7.30	1333.	245.	750.
53	40601	22	782.6	27.20	18.20	10000.	183.	3600.
54	60411	22	298.0	8.84	7.01	1351.	214.	500.
55	80312	22	670.6	22.86	18.08	6250.	180.	805.
56	13101	22	223.5	7.70	6.80	885.	220.	330.
57	20901	23	335.3	9.50	6.80	1531.	237.	600.

58	21101	23	391.0	9.80	7.10	1438.	254.	628.
59	31302	23	391.0	15.93	11.50	3820.	169.	1640.
60	31303	23	436.0	15.93	11.50	3820.	169.	1640.
61	31304	23	391.0	15.93	11.50	3820.	169.	1640.
62	31305	23	436.0	15.93	11.50	3820.	169.	1640.
63	40203	23	171.4	13.08	9.27	1905.	153.	604.
64	60409	23	350.0	15.21	9.78	2646.	183.	1046.
65	70405	23	298.0	8.94	6.17	1151.	261.	644.
66	20902	24	223.6	9.60	6.40	1266.	245.	500.
67	70701	24	298.0	10.80	7.32	1575.	235.	600.
68	121201	24	634.0	13.72	10.74	2383.	200.	1046.
69	13703	24	223.5	8.90	6.90	860.	246.	550.
70	220107	24	864.4	26.72	18.97	7983.	174.	1585.
71	30304	25	760.0	25.00	15.10	6200.	180.	650.
72	31317	25	503.5	9.60	7.06	1484.	319.	917.
73	40204	25	63.3	8.84	7.17	567.	146.	515.
74	60412	25	357.7	11.58	9.50	1867.	251.	805.
75	60801	25	812.0	17.30	10.55	4350.	230.	750.
76	121123	25	335.3	12.50	8.38	1935.	290.	1110.
77	13405	25	298.0	12.10	8.70	1823.	230.	772.
78	40702	26	298.0	12.09	8.81	2253.	233.	1127.
79	60803	26	335.3	9.80	6.70	1487.	250.	500.
80	61205	26	298.0	15.30	9.42	2220.	255.	850.
81	70402	26	317.0	9.08	5.99	1244.	233.	523.
82	100108	26	231.0	17.75	10.27	2700.	175.	850.
83	120601	26	335.3	15.30	10.22	2280.	230.	900.
84	120701	26	432.0	15.15	11.00	3652.	180.	700.
85	13404	26	918.0	27.40	19.80	8165.	145.	668.
86	130103	26	745.2	22.00	14.63	5500.	185.	700.
87	20803	26	424.8	13.70	11.20	3568.	196.	1706.
88	40303	27	372.6	10.30	6.56	1414.	298.	600.
89	110601	27	782.0	22.76	14.88	5875.	183.	1385.
90	120902	27	626.0	22.25	13.81	5460.	198.	1000.
91	130210	27	544.0	17.25	12.60	4310.	195.	902.
92	140110	27	335.3	11.00	7.00	1500.	300.	600.
93	140402	27	372.6	12.00	7.50	1795.	270.	500.
94	13704	27	373.0	9.50	7.20	1628.	297.	450.
95	230105	27	391.2	14.15	9.91	2449.	225.	579.
96	30101	28	864.0	20.40	14.80	6900.	212.	1125.
97	30102	28	894.0	20.40	15.00	6900.	195.	1300.
98	10503	28	179.0	14.50	9.80	1900.	197.	660.
99	40205	28	74.5	8.84	7.17	567.	146.	515.
100	80705	28	391.2	11.35	8.94	2102.	296.	756.
101	10501	28	372.5	15.30	10.00	2710.	235.	1200.
102	121401	28	313.0	12.20	7.55	1376.	237.	500.
103	161004	28	507.0	15.50	10.56	3247.	228.	1100.
104	161006	28	74.5	11.40	8.10	1016.	170.	430.
105	21103	28	317.0	10.10	7.60	1515.	251.	547.
106	21104	28	410.0	9.10	6.10	1638.	303.	595.
107	10502	28	335.0	12.40	8.20	1927.	230.	800.
108	20804	29	67.0	9.10	7.10	710.	175.	547.
109	30701	29	97.0	12.20	7.50	1025.	209.	1050.
110	40207	29	89.4	11.20	7.62	930.	177.	483.
111	40302	29	410.0	12.24	7.64	1580.	270.	750.
112	21106	29	447.0	8.50	7.20	1340.	376.	580.
113	21102	29	164.0	13.50	10.20	2758.	206.	1046.
114	13903	29	89.4	8.50	7.40	726.	145.	579.
115	13904	29	179.0	10.40	8.10	1115.	196.	500.
116	200502	29	1066.0	23.20	15.06	6470.	230.	800.
117	200504	29	1014.0	28.70	18.00	6810.	207.	1000.

178	21201	34	864.0	22.00	14.00	5443.	246.	877.
179	21005	34	1356.0	22.80	18.90	10200.	334.	1100.
180	20807	34	521.5	10.70	14.00	3651.	225.	2027.
181	121106	34	596.0	16.76	11.76	4763.	325.	1416.
182	121301	34	596.0	11.80	7.76	2100.	368.	860.
183	31201	34	656.0	22.50	15.00	5750.	275.	2600.
184	12202	34	432.0	11.40	9.30	2610.	310.	925.
185	161303	34	507.0	13.95	9.68	3526.	319.	1250.
186	191404	34	2236.0	36.00	20.73	19050.	302.	1930.
187	12901	34	1192.0	24.50	18.20	9700.	310.	1300.
188	30307	34	1029.0	21.20	15.40	6700.	280.	1350.
189	192203	34	1527.7	11.23	9.96	3851.	721.	1368.
190	220106	34	484.4	14.94	11.48	3674.	229.	1006.
191	230301	34	783.0	22.61	17.00	6350.	251.	1000.
192	30501	35	149.0	17.60	13.70	3500.	287.	560.
193	40704	35	671.0	15.24	10.67	4623.	332.	1152.
194	31002	35	1788.0	31.70	19.50	16066.	282.	3782.
195	70403	35	480.7	9.99	7.98	1792.	370.	740.
196	70804	35	484.4	8.69	6.53	1701.	381.	1396.
197	80309	35	857.0	22.86	17.68	7598.	228.	1480.
198	21604	35	1371.2	17.20	13.00	6532.	428.	2350.
199	80905	35	2012.0	22.60	16.40	14000.	435.	1950.
200	81101	35	656.0	10.50	8.33	2217.	341.	860.
201	100104	35	1043.3	13.80	11.50	6585.	410.	1000.
202	30305	35	537.0	19.70	14.40	3950.	208.	1000.
203	21301	35	745.2	12.10	9.60	2950.	430.	1100.
204	110503	35	633.4	9.55	7.20	1650.	400.	1000.
205	120905	35	1296.6	25.50	17.54	9380.	250.	1500.
206	30301	35	522.0	12.00	8.70	2230.	355.	1100.
207	130901	35	1294.5	9.92	8.84	3414.	621.	536.
208	131402	35	529.0	11.00	7.56	1670.	440.	1200.
209	31202	35	1677.0	26.50	19.20	12400.	364.	2745.
210	131407	35	745.2	25.00	16.45	8000.	368.	2600.
211	161206	35	1296.6	22.45	17.32	7500.	325.	1000.
212	31318	35	782.5	11.36	8.77	2726.	483.	1330.
213	190303	35	1296.6	24.00	17.80	9300.	340.	2000.
214	40213	35	97.0	9.73	7.60	907.	169.	1002.
215	31322	35	708.0	10.36	8.37	2838.	378.	1376.
216	230104	35	507.0	14.15	10.41	2608.	254.	1802.
217	40706	36	1636.0	28.96	19.63	12701.	274.	1650.
218	60408	36	762.5	16.46	12.90	4895.	388.	1090.
219	60802	36	1490.0	21.56	16.17	10100.	430.	3000.
220	60901	36	179.0	14.25	9.90	1326.	175.	695.
221	110402	36	3189.6	40.00	25.63	21500.	340.	4100.
222	120201	36	636.0	15.50	12.56	4800.	290.	2200.
223	130202	36	2474.0	39.62	27.62	23587.	262.	5150.
224	130902	36	1099.0	16.26	13.00	10024.	550.	900.
225	13406	36	1603.0	25.60	22.10	12790.	367.	2414.
226	161005	36	611.0	15.50	9.70	3500.	290.	1000.
227	161305	36	1368.0	17.93	12.92	8900.	445.	1500.
228	190903	36	3010.4	34.75	26.84	19732.	311.	1245.
229	30308	36	1342.0	18.80	13.70	9600.	440.	2000.
230	200503	36	1430.0	20.32	12.27	6500.	450.	1500.
231	21002	37	745.2	10.50	9.10	2800.	509.	600.
232	60808	37	626.0	10.90	7.80	2706.	472.	1000.
233	61104	37	2802.0	33.00	23.80	22700.	384.	4440.
234	12501	37	529.0	16.30	10.60	3447.	293.	885.
235	61206	37	484.4	12.00	9.20	2250.	320.	830.
236	31003	37	3576.0	35.10	24.20	30344.	343.	1720.
237	70404	37	618.5	9.83	8.36	2155.	402.	660.

118	21105	30	820.0	22.60	15.70	6193.	304.	1207.
119	60415	30	391.0	13.94	11.19	2674.	233.	965.
120	80301	30	1654.4	39.62	27.36	13381.	204.	805.
121	120702	30	447.0	16.50	11.68	3950.	170.	650.
122	30306	30	723.0	19.70	15.30	5350.	280.	2000.
123	161001	30	358.0	10.02	6.78	1355.	278.	725.
124	161301	30	361.4	10.30	7.16	1355.	317.	560.
125	20805	31	89.4	9.80	7.40	839.	153.	515.
126	31312	31	313.0	7.77	6.12	1256.	285.	590.
127	40208	31	97.0	8.94	7.29	803.	175.	483.
128	13301	31	372.0	11.20	8.40	1930.	300.	450.
129	70813	31	559.0	10.52	7.47	2177.	340.	1261.
130	80901	31	559.0	11.50	10.60	2745.	290.	1200.
131	80902	31	484.4	14.00	9.50	2300.	260.	1050.
132	161302	31	480.7	10.72	7.55	1630.	390.	700.
133	20601	32	503.0	19.80	13.00	4377.	265.	1770.
134	40209	32	104.5	9.41	7.85	952.	177.	906.
135	40210	32	194.0	14.43	10.52	1905.	175.	740.
136	40211	32	194.0	14.43	10.52	1905.	175.	740.
137	40306	32	514.0	12.09	7.74	1710.	359.	850.
138	60502	32	2742.4	36.00	21.57	18700.	325.	1200.
139	60804	32	447.0	10.50	7.83	1895.	350.	850.
140	20702	32	507.0	19.00	13.50	4300.	220.	1500.
141	80701	32	399.0	11.35	9.02	2023.	272.	845.
142	80702	32	391.0	11.35	8.99	2023.	293.	604.
143	80904	32	469.5	14.80	12.00	3460.	360.	1400.
144	100103	32	1855.5	29.25	18.90	11030.	286.	1300.
145	120602	32	387.5	13.71	10.36	2640.	280.	700.
146	13401	32	1013.2	27.40	21.80	9526.	251.	1030.
147	130206	32	1341.4	21.39	13.47	6983.	418.	3347.
148	20301	32	313.0	9.80	8.00	2132.	319.	805.
149	131603	32	372.6	10.56	7.24	1581.	328.	950.
150	200505	32	1014.0	41.80	25.20	18786.	288.	960.
151	20903	33	715.0	8.80	7.50	1680.	372.	800.
152	60416	33	425.0	24.99	14.78	7258.	177.	8047.
153	60805	33	447.0	9.50	7.46	1865.	375.	750.
154	61101	33	179.0	10.50	7.65	996.	278.	460.
155	21004	33	1296.0	22.50	15.80	7280.	230.	1000.
156	13302	33	533.4	11.00	9.50	2020.	335.	483.
157	80903	33	559.0	11.00	8.40	1900.	330.	390.
158	21403	33	2013.0	35.10	18.90	16500.	255.	2100.
159	140601	33	615.0	14.54	9.87	3400.	354.	1175.
160	161003	33	820.0	9.00	6.10	1912.	500.	400.
161	161205	33	1028.0	22.10	16.20	5908.	310.	1250.
162	161304	33	671.0	10.68	7.60	2000.	430.	700.
163	13702	33	633.0	9.40	8.20	1980.	394.	600.
164	190301	33	1118.0	24.36	16.31	7700.	236.	3500.
165	13001	33	641.0	15.40	10.00	2560.	340.	1000.
166	192205	33	577.5	13.97	11.45	3259.	217.	966.
167	220104	33	603.6	14.94	11.48	3856.	251.	1006.
168	13905	33	476.0	17.20	12.90	3476.	272.	1062.
169	21001	34	1416.0	20.10	17.90	8526.	385.	1500.
170	40212	34	596.0	19.66	14.05	4649.	228.	974.
171	40214	34	298.0	14.63	10.50	2495.	212.	933.
172	40304	34	596.0	11.80	7.44	1860.	370.	750.
173	40602	34	1490.0	18.00	15.80	8836.	423.	3000.
174	40603	34	894.0	23.70	19.25	10000.	260.	5350.
175	60417	34	514.0	13.87	11.07	4196.	224.	1658.
176	20806	34	421.0	13.70	11.70	3452.	206.	800.
177	80706	34	477.0	11.35	9.02	2403.	301.	692.

238	80306	37	1378.6	26.95	25.04	10432.	322.	2486.
239	80703	37	555.0	9.14	8.15	1642.	359.	427.
240	80709	37	883.0	12.19	9.75	3742.	538.	740.
241	90401	37	1640.0	21.39	14.30	10050.	425.	4000.
242	20809	37	663.0	14.10	10.80	3732.	301.	700.
243	110504	37	708.0	15.00	11.64	3762.	423.	1350.
244	21302	37	1490.4	15.60	10.80	6750.	490.	1640.
245	120903	37	1699.0	22.52	17.17	11398.	480.	1675.
246	20302	37	670.6	14.50	10.40	3561.	346.	1126.
247	121107	37	1118.0	19.96	13.47	7938.	393.	3315.
248	130104	37	626.0	10.58	8.19	2328.	503.	870.
249	31203	37	2626.8	24.80	18.50	13621.	456.	1795.
250	140101	37	760.0	15.50	10.30	4100.	380.	980.
251	140105	37	529.0	11.30	7.53	1790.	460.	545.
252	12203	37	801.0	14.40	10.20	3800.	428.	1561.
253	21501	37	894.0	10.70	8.00	3247.	517.	1610.
254	220109	37	689.3	22.73	11.96	5035.	367.	4168.
255	21003	38	1699.0	17.90	12.20	7160.	530.	2000.
256	21108	38	4768.0	46.30	32.30	38102.	320.	8369.
257	40607	38	2608.0	19.00	17.00	16700.	560.	2500.
258	61102	38	670.6	18.40	12.00	3950.	344.	690.
259	21109	38	3576.0	31.60	22.70	29710.	462.	3219.
260	20810	38	663.0	14.00	10.80	3606.	217.	1303.
261	13303	38	671.0	12.50	11.00	3720.	312.	1078.
262	80906	38	1342.0	23.15	17.38	9100.	350.	2100.
263	21107	38	3280.0	32.70	22.70	19051.	396.	3846.
264	13402	38	2548.0	37.50	34.80	23813.	338.	2205.
265	12204	38	805.0	14.50	11.30	4000.	376.	2100.
266	60405	38	794.0	15.24	12.14	4749.	259.	1496.
267	60406	38	794.0	15.24	12.94	4749.	259.	1496.
268	21605	38	1684.0	17.60	13.60	9629.	426.	1666.
269	20811	38	1386.0	18.00	15.50	8368.	354.	2044.
270	40307	38	678.0	10.20	8.75	2780.	530.	1250.
271	21404	38	1014.0	15.40	9.80	5000.	464.	1400.
272	140501	38	410.0	12.80	8.99	2548.	341.	1400.
273	190701	38	708.0	10.97	7.72	2855.	454.	1931.
274	12902	38	1192.0	22.80	14.50	11300.	480.	2495.
275	220110	38	2364.0	26.26	19.68	13834.	410.	3034.
276	230102	38	663.2	15.24	9.30	2685.	369.	966.
277	13906	39	2623.0	27.50	21.00	22680.	473.	2623.
278	70805	39	894.0	11.58	8.79	3607.	512.	1239.
279	30702	39	365.0	12.80	10.00	2585.	314.	1207.
280	81102	39	633.4	14.50	10.85	3090.	311.	700.
281	100105	39	1997.0	20.00	14.30	14000.	470.	2500.
282	120301	39	820.0	9.80	8.87	3200.	560.	650.
283	60806	39	626.0	9.70	8.26	2295.	450.	775.
284	31001	39	3576.0	33.50	20.50	29527.	483.	3380.
285	121113	39	2198.0	15.85	11.53	9798.	666.	724.
286	20501	39	894.0	10.40	9.20	3765.	620.	1086.
287	130203	39	1565.0	18.69	14.22	7516.	443.	2092.
288	130209	39	3130.0	35.97	24.33	27350.	314.	3700.
289	40708	39	2384.0	18.68	14.63	10931.	523.	1650.
290	131302	39	648.3	11.89	9.00	2410.	391.	632.
291	131408	39	2757.0	25.00	19.60	12500.	440.	3960.
292	131410	39	670.7	12.00	8.70	2480.	510.	2400.
293	131411	39	1569.0	14.70	11.00	5050.	595.	2880.
294	131412	39	708.0	12.10	9.21	2920.	424.	1060.
295	131604	39	641.0	10.61	8.17	2540.	488.	800.
296	40710	39	1342.0	23.77	18.96	9072.	325.	2575.
297	180602	39	119.0	9.17	6.83	844.	211.	566.

298	190302	39	2235.6	21.20	16.20	11300.	434.	2000.
299	250101	39	820.0	10.00	8.48	2820.	558.	850.
300	80304	40	5365.6	31.75	21.82	30844.	502.	2028.
301	80305	40	1460.0	21.08	16.33	8508.	426.	3200.
302	110403	40	5516.0	38.00	28.13	32500.	467.	7180.
303	110506	40	1714.0	17.45	12.75	6750.	505.	2400.
304	60807	40	1788.0	28.60	20.10	15000.	390.	2300.
305	60407	40	1222.0	14.97	12.34	6577.	367.	953.
306	121108	40	1490.4	19.96	15.19	7938.	417.	3041.
307	21606	40	2570.0	17.60	13.00	11521.	531.	2414.
308	121501	40	514.0	14.00	9.76	2850.	320.	1200.
309	40707	40	894.0	12.65	10.08	4317.	410.	1794.
310	130204	40	2534.0	18.69	14.78	12633.	515.	1577.
311	30901	40	894.0	11.10	7.80	3450.	476.	1500.
312	131001	40	894.0	10.30	8.16	3350.	640.	1250.
313	131403	40	842.0	11.00	9.06	2744.	570.	1570.
314	60413	40	853.0	14.14	12.27	4445.	450.	1288.
315	140502	40	2757.2	20.60	16.10	18960.	443.	2052.
316	160302	40	3280.0	40.00	24.50	30950.	448.	4000.
317	180203	40	894.0	10.97	8.68	3423.	565.	1287.
318	190905	40	4918.0	30.20	26.59	31751.	435.	2093.
319	30801	40	1714.0	12.50	10.20	6398.	756.	1802.
320	31320	40	1267.0	15.16	11.18	6370.	473.	3098.
321	40604	40	2235.0	27.00	22.00	18400.	340.	4750.
322	31301	40	2980.0	32.92	23.27	25400.	301.	1883.
323	220303	40	335.3	10.96	10.25	2722.	275.	1460.
324	40215	40	2548.0	16.51	12.65	11567.	684.	5633.
325	100106	41	2647.0	22.00	14.95	14530.	520.	2500.
326	100107	41	4769.2	42.00	28.20	45000.	450.	6060.
327	110507	41	820.0	12.00	8.75	3250.	592.	1900.
328	130105	41	894.0	10.58	8.85	2937.	600.	765.
329	130904	41	1640.0	16.40	11.20	8100.	620.	2400.
330	130906	41	5097.0	55.00	28.46	45000.	218.	1100.
331	60410	41	1677.0	12.55	11.56	7301.	618.	2090.
332	70815	41	402.0	12.19	9.47	2500.	290.	1600.
333	140106	41	857.0	10.86	8.90	2640.	533.	1680.
334	160301	41	1952.0	17.16	12.60	8520.	540.	1200.
335	61103	41	1192.0	10.50	8.96	4900.	657.	800.
336	180101	41	857.0	11.00	8.36	3267.	545.	1040.
337	180204	41	1889.0	12.40	11.03	8800.	690.	950.
338	70819	41	1416.0	16.51	12.49	8117.	444.	1625.
339	80712	42	1882.0	12.50	10.49	6211.	711.	1352.
340	80713	42	1639.4	12.62	9.73	6010.	663.	821.
341	81103	42	984.0	13.50	9.75	5250.	408.	560.
342	90301	42	732.3	10.00	8.16	2386.	530.	950.
343	110505	42	1565.0	15.02	10.60	5276.	547.	1500.
344	60809	42	1099.0	11.85	8.37	3710.	620.	1650.
345	70806	42	1490.0	13.06	10.24	6383.	597.	1520.
346	121114	42	2757.2	19.96	15.77	14061.	502.	2141.
347	130207	42	1490.4	21.64	17.75	17327.	462.	1931.
348	40709	42	2160.0	35.81	28.60	33113.	365.	4025.
349	140107	42	1080.5	9.45	8.80	2770.	610.	1300.
350	140108	42	1080.5	20.30	16.20	10680.	490.	2400.
351	160601	42	4472.0	32.00	22.29	29885.	420.	3520.
352	13908	42	4828.0	31.10	24.00	30844.	375.	4345.
353	20502	42	987.0	11.70	10.00	4763.	657.	724.
354	30309	42	1043.2	16.70	11.80	6618.	408.	1200.
355	200506	42	2757.2	18.85	13.80	12800.	550.	1950.
356	220401	42	1267.0	14.64	12.12	6123.	449.	960.
357	250102	42	1014.0	10.00	8.55	3200.	592.	1225.



358	250201	42	1043.3	11.50	10.20	3910.	580.	2110.
359	80908	43	4396.0	31.44	22.00	31000.	488.	4750.
360	21110	43	6556.0	43.10	30.20	64000.	576.	6598.
361	140104	43	1520.0	17.00	12.20	7250.	533.	2175.
362	160202	43	155.0	12.04	8.59	1588.	253.	1255.
363	40216	43	1340.0	11.58	9.37	5620.	869.	1963.
364	13305	43	1592.0	14.10	12.60	9850.	742.	1630.
365	90403	44	2646.0	31.67	21.31	17250.	350.	2125.
366	21111	44	10432.0	43.10	33.60	66134.	604.	6437.
367	40217	44	3024.0	13.72	11.79	9480.	760.	4828.
368	110509	44	2236.0	15.57	11.45	7300.	580.	2000.
369	12201	44	1360.0	14.40	11.50	6500.	566.	3040.
370	80907	44	704.0	7.20	9.05	2700.	840.	610.
371	121104	44	1840.0	12.17	10.52	7646.	933.	2221.
372	31323	44	1006.0	12.50	11.08	4082.	504.	1006.
373	70807	44	3130.0	15.70	13.82	11666.	687.	1777.
374	130205	44	2235.6	15.26	12.55	11604.	591.	2090.
375	130903	44	1499.2	9.32	5.69	4309.	960.	80.
376	130905	44	1587.2	12.50	10.61	7045.	868.	1050.
377	13910	44	5208.0	36.60	23.90	37194.	383.	5745.
378	70814	44	670.7	11.89	10.36	3492.	306.	1255.
379	60102	44	149.0	10.97	8.53	1243.	203.	724.
380	140102	44	1147.6	14.90	10.85	5430.	480.	1450.
381	140103	44	1490.4	12.50	11.10	5260.	624.	4640.
382	60101	44	149.0	11.07	7.26	1307.	200.	748.
383	140109	44	1416.0	11.30	9.92	3600.	625.	1700.
384	40711	44	2980.0	21.34	15.62	15876.	600.	2253.
385	40712	44	2012.0	15.47	11.84	11340.	512.	1448.
386	180601	44	1006.0	12.19	9.86	5285.	684.	2133.
387	190102	44	2198.0	17.00	13.20	8800.	575.	2600.
388	31319	44	1013.0	11.38	10.16	4014.	608.	386.
389	31321	44	1416.0	15.16	11.18	6370.	473.	3098.
390	80704	45	1841.0	11.70	10.57	5602.	724.	1127.
391	110508	45	1118.0	12.00	8.82	3500.	580.	2000.
392	40218	45	596.0	17.40	11.96	4060.	338.	1415.
393	121111	45	5216.0	31.65	27.94	36240.	648.	5930.
394	70808	45	1565.0	10.92	8.61	5875.	678.	1778.
395	11303	45	30.0	10.90	6.30	481.	149.	402.
396	130703	45	1280.0	12.42	11.82	5164.	810.	1105.
397	20401	45	212.4	10.20	8.10	1542.	338.	1648.
398	131303	45	149.0	11.02	6.78	1361.	241.	1320.
399	21607	45	2951.0	32.90	22.40	19958.	362.	1320.
400	20812	45	1878.0	15.60	11.80	7938.	547.	1191.
401	61105	45	1528.0	14.50	10.70	5220.	760.	2000.
402	192001	45	3130.0	29.38	24.25	20577.	440.	3200.
403	180201	46	2240.0	11.10	11.62	10670.	1001.	1609.
404	11301	46	67.0	10.70	6.60	658.	176.	560.
405	31103	46	16992.0	70.10	49.40	162386.	700.	10943.
406	40221	47	335.3	14.64	9.24	2313.	225.	1252.
407	130701	47	2520.0	13.67	12.24	10120.	917.	2374.
408	13201	47	746.0	18.20	12.40	5500.	258.	900.
409	80307	47	4992.0	34.44	24.89	36287.	560.	6840.
410	12502	47	4024.0	35.10	24.70	23587.	386.	995.
411	80711	47	2160.0	11.89	12.09	7348.	964.	370.
412	11302	47	123.0	11.40	7.70	930.	183.	734.
413	121118	48	2080.0	11.85	11.51	6550.	965.	2165.
414	60103	48	5514.0	33.30	26.36	9070.	391.	1595.
415	131107	48	2381.0	10.08	10.04	5400.	1015.	680.
416	21112	48	14400.0	35.40	33.00	91625.	1013.	5150.
417	140604	48	6400.0	18.19	16.41	19160.	982.	1408.

418	160201	48	820.0	17.07	13.06	4990.	368.	1451.
419	90409	48	4762.0	21.45	17.65	21000.	900.	2180.
420	70407	48	2800.0	11.33	13.59	7100.	956.	1143.
421	220108	48	5932.0	28.56	26.11	32885.	575.	2554.
422	40219	49	7120.0	35.00	28.35	47627.	788.	2186.
423	70810	49	2500.0	11.58	11.84	8491.	932.	2092.
424	20403	49	506.6	13.80	9.60	3175.	375.	2172.
425	70802	49	1788.5	18.49	13.21	11340.	507.	2414.
426	140503	49	2388.0	11.91	11.44	9350.	1105.	1485.
427	140506	49	596.0	12.23	9.76	3068.	461.	1612.
428	60414	49	2262.0	16.56	13.11	8891.	481.	1065.
429	160901	49	112.0	10.76	6.86	794.	185.	742.
430	30711	49	159.0	11.00	7.90	1103.	184.	848.
431	70820	49	2124.0	29.46	19.18	17010.	379.	4587.
432	20103	49	5920.0	19.50	20.00	24925.	871.	1296.
433	121120	50	10134.4	45.72	35.41	70760.	607.	8690.
434	40220	50	745.2	21.79	14.78	6123.	307.	2200.
435	20813	50	8496.0	49.40	30.30	61200.	383.	2092.
436	130201	51	3577.0	28.42	22.73	19800.	450.	2961.
437	40222	51	447.0	17.69	12.80	3629.	257.	1520.
438	31105	51	6880.0	11.60	20.80	14187.	1529.	1770.
439	40713	51	6260.0	35.81	32.18	48534.	507.	4835.
440	192201	51	2040.0	11.25	11.43	5579.	950.	1915.
441	130401	52	335.0	13.75	8.65	2700.	270.	1200.
442	13911	52	32000.0	33.80	30.40	81645.	1005.	4630.
443	140505	52	3080.0	11.92	11.07	10750.	1094.	2390.
444	81502	52	819.0	19.66	14.02	6125.	360.	1850.
445	21608	52	12280.0	43.40	37.90	84345.	574.	8545.
446	190108	52	4253.0	13.00	14.94	13600.	1114.	3219.
447	11601	52	1216.0	12.20	10.10	3260.	725.	1400.
448	30802	52	3780.0	11.80	13.50	14353.	1094.	1062.
449	200514	52	16760.0	33.50	36.50	68000.	945.	6400.
450	130208	53	5067.4	36.03	30.66	34761.	404.	3300.
451	131003	53	2980.0	9.60	11.36	6069.	1145.	1400.
452	90404	53	2832.0	31.67	22.34	17250.	415.	1508.
453	30707	53	171.5	10.90	7.80	1270.	274.	1168.
454	140504	53	6800.0	11.81	16.54	15800.	1390.	2410.
455	30712	53	212.5	11.30	9.70	2495.	383.	2800.
456	13701	53	2832.0	32.40	22.30	18000.	300.	2500.
457	190104	53	2000.0	11.00	10.13	6060.	1060.	2700.
458	230107	53	2735.0	13.42	12.88	11113.	616.	1448.
459	130801	54	11200.0	8.38	12.27	11113.	1038.	3225.
460	70811	54	4200.0	9.64	13.69	10921.	1207.	2044.
461	20402	54	298.0	10.20	8.80	1938.	414.	1205.
462	131606	54	704.0	10.15	10.05	3375.	650.	1500.
463	131701	54	30688.0	50.48	47.20	158750.	901.	11265.
464	20104	54	13088.0	10.60	16.20	22680.	2446.	1287.
465	70406	54	10712.0	15.85	17.30	19473.	998.	1497.
466	121105	54	7160.0	6.68	16.69	14061.	2372.	1247.
467	11501	54	298.0	12.80	9.70	2463.	233.	709.
468	21113	54	40000.0	56.40	48.00	221350.	1040.	20120.
469	200510	54	44132.0	51.10	49.50	188000.	805.	12550.
470	131101	55	5732.0	9.00	12.54	8700.	1452.	685.
471	160602	55	201.0	11.12	8.78	1680.	309.	1095.
472	81301	55	704.0	10.93	8.97	3700.	700.	1700.
473	180202	55	10600.0	10.65	20.43	23968.	2230.	3330.
474	190105	55	7060.0	9.40	15.35	16000.	2124.	1003.
475	121119	55	6800.0	24.38	15.11	7189.	850.	6437.
476	220102	55	16000.0	34.85	32.99	63503.	912.	7242.
477	61209	55	3192.0	29.00	23.56	20410.	480.	1935.

478	40605	55	201.0	12.00	9.60	1850.	227.	1100.
479	220302	55	6400.0	10.87	16.61	15420.	2127.	965.
480	40716	56	8160.0	22.21	22.91	37648.	1015.	2414.
481	31106	56	9800.0	11.70	21.60	15876.	2613.	1851.
482	121102	56	13448.0	40.41	29.79	79379.	621.	4002.
483	30705	56	119.0	10.90	8.20	1043.	232.	1066.
484	21405	56	7152.0	43.00	28.90	54000.	380.	4700.
485	121117	56	2400.0	13.06	11.75	7167.	933.	1561.
486	31104	56	24960.0	17.30	29.50	73935.	2229.	3862.
487	10203	56	3264.0	8.56	10.30	5440.	1078.	770.
488	70809	56	3400.0	10.51	14.78	9344.	1135.	1610.
489	40103	56	5468.0	8.22	15.03	13500.	2372.	1200.
490	21406	56	1565.0	15.60	13.90	8200.	470.	2500.
491	190501	56	954.0	23.33	13.80	6620.	256.	759.
492	191901	56	6170.0	15.09	15.57	20700.	1100.	4000.
493	192101	56	8818.4	8.93	17.37	13500.	1725.	1450.
494	192204	56	3780.0	9.86	12.88	9707.	1102.	773.
495	40715	56	10136.0	38.86	34.21	64864.	571.	7410.
496	21114	57	30400.0	44.40	46.60	151315.	1010.	6920.
497	30710	57	231.0	11.20	8.60	1723.	325.	1973.
498	13202	57	11932.0	38.00	33.10	61000.	777.	1200.
499	30202	57	11028.0	43.40	39.10	67130.	507.	6440.
500	200511	57	15344.0	34.54	38.85	76000.	800.	2650.
501	40108	57	3880.0	10.51	14.04	10000.	1195.	965.
502	80308	58	3137.2	28.88	23.01	19500.	443.	2830.
503	30703	58	74.5	10.00	7.30	726.	201.	629.
504	13203	58	448.0	22.00	11.40	3600.	222.	800.
505	40223	58	2160.0	29.15	22.13	11793.	347.	2103.
506	130805	58	14320.0	11.77	19.20	28030.	2414.	1031.
507	10601	59	134.0	10.70	7.20	844.	245.	1180.
508	90405	59	12676.0	37.40	35.90	61200.	675.	4250.
509	140602	59	3264.0	7.70	14.38	9379.	1488.	2232.
510	30201	59	17080.0	43.40	46.30	95250.	621.	5245.
511	140606	59	3080.0	7.70	14.13	5485.	1326.	1759.
512	70817	59	2086.0	14.63	12.50	8214.	465.	1520.
513	160801	59	410.0	15.13	10.90	2770.	259.	1036.
514	130702	59	5700.0	10.77	17.96	15377.	1170.	2414.
515	10504	59	784.0	10.30	10.80	3540.	655.	894.
516	13403	59	7364.0	35.10	27.10	47610.	433.	5220.
517	40104	59	12698.4	11.85	23.50	31600.	2340.	1240.
518	191501	59	134.0	9.74	7.24	1050.	240.	1110.
519	121109	59	11178.0	30.18	31.81	52664.	652.	5014.
520	20102	59	1000.0	10.80	10.30	3866.	708.	1450.
521	31101	60	17920.0	36.60	39.40	87540.	990.	4630.
522	21115	60	17400.0	32.90	46.70	95027.	964.	3966.
523	20203	60	3400.0	30.00	20.40	21092.	452.	2483.
524	20405	60	388.0	11.50	8.50	2313.	348.	1836.
525	20701	61	5960.0	29.70	32.90	29500.	610.	4000.
526	131501	61	134.0	10.67	7.06	1168.	272.	1410.
527	31102	61	25600.0	36.60	42.40	114760.	990.	6115.
528	130740	61	11904.0	12.09	20.55	21180.	1963.	2500.
529	20201	61	10040.0	28.50	32.60	47400.	871.	3484.
530	20404	61	566.0	15.30	10.80	3992.	362.	2441.
531	200507	61	21600.0	27.70	40.53	83900.	1509.	2250.
532	200509	61	21600.0	20.00	26.00	45000.	1887.	4989.
533	220103	61	14860.0	35.97	37.45	63957.	684.	3331.
534	10302	61	298.0	12.00	8.80	2040.	251.	1038.
535	21407	61	9100.0	36.30	31.80	43500.	658.	9000.
536	250104	61	10496.0	12.95	21.65	15875.	1186.	2253.
537	140507	62	14287.2	16.15	23.35	30300.	2228.	4830.

538	80311	62	32960.0	36.58	35.03	79379.	992.	7403.
539	160904	62	134.0	9.14	7.16	1089.	245.	1360.
540	160908	62	238.0	10.97	7.67	1690.	330.	1930.
541	161306	62	194.0	11.12	8.10	1300.	201.	680.
542	20207	62	14352.0	29.90	40.00	68040.	959.	3798.
543	20202	62	2960.0	14.30	15.50	10977.	592.	4318.
544	40714	62	9920.0	22.10	23.27	37195.	982.	1690.
545	130602	62	74.5	8.02	5.79	630.	230.	1000.
546	200512	62	9524.0	25.55	30.58	38000.	870.	1220.
547	11602	62	1708.0	22.60	19.30	10800.	418.	1020.
548	60104	62	3430.0	33.53	23.92	27215.	367.	1666.
549	20101	62	32592.0	44.60	48.40	146510.	935.	6275.
550	13206	63	4206.0	29.20	23.80	24000.	435.	2250.
551	190107	63	1312.0	9.50	10.50	4500.	770.	1780.
552	30713	63	2280.0	10.90	8.60	6350.	816.	740.
553	190904	63	1066.0	19.79	12.60	6577.	327.	1115.
554	191601	63	1000.0	10.47	10.34	4300.	812.	1240.
555	200401	63	9098.0	40.00	32.40	51000.	513.	1852.
556	121103	63	33600.0	48.74	44.20	143607.	919.	9880.
557	131413	63	1066.0	11.94	12.02	5250.	571.	2584.
558	61001	63	1386.0	19.59	15.30	7750.	500.	2575.
559	160909	64	462.0	12.40	9.94	2948.	399.	1973.
560	30709	64	224.0	10.90	8.60	1633.	290.	1028.
561	130603	64	2480.0	14.49	16.61	9200.	825.	2370.
562	160603	64	2688.0	13.20	12.85	8165.	852.	2128.
563	191202	64	194.0	8.34	7.10	1200.	340.	1650.
564	140201	64	4560.0	32.00	26.30	24500.	469.	3215.
565	70301	64	20080.0	9.74	22.40	45360.	2335.	4707.
566	40224	64	4672.0	29.26	24.08	22316.	420.	1112.
567	30708	65	223.5	12.40	8.00	1814.	243.	595.
568	21801	65	388.0	14.90	10.90	2993.	290.	1136.
569	13204	65	44744.0	64.40	57.80	250000.	740.	5000.
570	30719	65	560.0	12.50	11.10	3379.	478.	2755.
571	80801	65	8880.0	13.41	19.33	28123.	1038.	3700.
572	11801	65	119.0	8.50	6.60	840.	227.	800.
573	40225	65	972.0	19.81	15.77	5670.	338.	1825.
574	40109	65	3600.0	16.30	17.15	13000.	862.	3350.
575	191201	65	149.0	10.86	8.00	1300.	221.	1258.
576	30714	65	156.5	11.60	9.10	2100.	332.	2288.
577	81001	65	220.0	11.89	9.45	1542.	269.	1062.
578	20407	65	424.8	11.50	8.80	2405.	386.	2103.
579	13209	65	7624.0	29.20	23.80	26000.	510.	2200.
580	220301	65	5360.0	11.79	14.05	19050.	1112.	3671.
581	160903	65	112.0	9.14	7.10	975.	229.	1350.
582	121116	66	26000.0	16.94	32.74	77111.	3219.	4800.
583	110510	66	4564.0	29.78	29.23	34019.	402.	4450.
584	20408	66	566.0	12.00	10.30	3073.	455.	2060.
585	190902	66	17080.0	48.42	41.69	104300.	566.	8530.
586	70901	66	9120.0	20.98	24.36	29711.	936.	6025.
587	30716	66	448.0	12.20	11.00	2858.	424.	2280.
588	70816	66	1014.0	15.49	12.07	5670.	391.	2575.
589	40606	66	566.0	15.55	11.41	3842.	325.	2950.
590	70201	66	2360.0	10.84	13.18	6123.	877.	2512.
591	180306	67	1066.0	12.19	12.67	6552.	452.	367.
592	30706	67	134.0	10.80	8.30	1134.	257.	1445.
593	160916	67	432.0	11.18	10.61	2721.	476.	2305.
594	190801	67	9128.0	33.15	33.46	43000.	547.	2168.
595	21116	67	11600.0	28.40	29.50	53070.	927.	4448.
596	90406	67	37040.0	43.20	53.12	162000.	860.	7950.
597	192103	67	10934.4	10.53	20.50	16000.	2588.	725.

598	130802	67	28800.0	45.23	57.10	158760.	965.	8820.
599	30203	67	3132.0	28.60	19.80	19731.	291.	2260.
600	20105	67	1364.0	11.20	10.30	5215.	760.	2224.
601	130803	67	11200.0	28.47	36.37	54885.	907.	2148.
602	61210	67	7920.0	25.07	29.61	32200.	843.	1852.
603	10201	67	253.5	11.70	8.70	1700.	278.	990.
604	20206	68	19424.0	35.00	38.60	87090.	880.	8000.
605	30721	68	1760.0	14.40	13.30	5375.	649.	2474.
606	20406	68	212.4	10.20	8.10	1542.	338.	1648.
607	20208	68	149.0	10.10	7.10	1066.	241.	1000.
608	121101	68	65600.0	67.88	75.54	348810.	919.	6033.
609	180307	68	2360.0	11.62	11.67	5983.	852.	1722.
610	10505	68	1517.0	9.50	12.30	5270.	730.	1600.
611	190106	69	10406.0	10.60	16.30	17750.	2156.	1000.
612	61002	69	1522.0	14.50	14.25	6800.	500.	3042.
613	20204	69	8600.0	7.70	13.90	11340.	1186.	5560.
614	90201	69	1118.0	20.96	13.03	6903.	319.	1306.
615	160911	69	924.0	13.01	10.57	4082.	524.	2020.
616	120401	69	1088.0	19.49	14.47	5700.	365.	1040.
617	30718	69	462.0	13.50	11.10	3062.	443.	2426.
618	21117	69	80000.0	59.60	70.50	365140.	969.	10424.
619	121112	69	14644.0	30.37	35.61	64410.	761.	3835.
620	20210	69	60880.0	25.60	62.10	185065.	2691.	6580.
621	131103	70	25350.0	14.25	16.80	13850.	2480.	960.
622	11615	70	2000.0	12.90	13.80	6600.	760.	1555.
623	131102	70	14550.0	7.15	15.76	9400.	2264.	1100.
624	20603	70	112.0	10.20	6.90	748.	212.	977.
625	200508	70	35272.0	34.45	40.23	122500.	2156.	8050.
626	20409	70	820.0	15.30	10.80	4377.	412.	2374.
627	21802	70	582.0	16.20	15.00	4536.	267.	1610.
628	20602	70	223.5	10.40	8.00	1508.	357.	1512.
629	10202	70	5070.0	28.70	22.70	26500.	540.	2220.
630	180303	71	1044.0	14.23	13.52	4683.	526.	2718.
631	131104	71	19400.0	13.95	22.30	36200.	3019.	1300.
632	20604	71	324.0	10.70	8.80	1860.	532.	2357.
633	20410	71	1014.0	14.00	12.20	5216.	436.	2483.
634	30401	71	1158.0	19.00	15.20	6500.	359.	1760.
635	20411	71	134.0	10.00	7.90	1111.	228.	1106.
636	90407	71	42328.0	50.50	46.59	170000.	775.	6700.
637	131414	71	5844.0	7.88	17.84	9805.	1725.	2593.
638	30715	71	462.0	11.60	10.50	2717.	452.	2552.
639	70101	71	596.0	16.46	12.56	3855.	311.	1352.
640	20412	72	1268.0	16.60	13.30	5670.	515.	3495.
641	192104	72	9800.0	14.00	18.75	17700.	2340.	630.
642	180301	72	156.6	10.85	7.63	1338.	315.	1106.
643	160910	72	261.0	12.40	10.55	3175.	409.	1761.
644	70801	72	7440.0	16.15	16.69	27397.	1043.	3096.
645	130804	72	58800.0	50.41	55.50	259450.	908.	7413.
646	60301	72	7252.0	17.53	16.26	21500.	722.	1000.
647	50101	72	1118.0	15.30	15.10	5670.	417.	1900.
648	130806	72	20000.0	13.05	19.43	25401.	2696.	4631.
649	121110	72	60000.0	47.35	50.05	224982.	898.	9653.
650	40111	73	2368.0	9.11	12.29	7000.	1020.	2000.
651	190601	73	6880.0	8.69	16.83	15500.	1593.	1315.
652	140603	73	4000.0	8.13	14.68	11193.	1757.	2483.
653	192105	74	19760.0	17.15	21.29	39500.	2156.	3600.
654	20205	74	2136.0	9.40	11.20	7755.	1000.	556.
655	160101	74	12200.0	13.90	16.70	26490.	2156.	1390.
656	121115	74	7420.0	20.93	16.25	23831.	834.	3706.
657	70302	74	10000.0	9.45	14.52	12652.	2156.	925.

658	13501	74	254.0	13.10	9.30	2040.	259.	1297.
659	190906	74	1786.0	22.76	17.69	10387.	352.	1695.
660	40101	74	4410.0	9.60	14.31	12000.	1204.	650.
661	13208	74	4206.0	29.20	24.30	23000.	540.	2360.
662	30717	75	560.0	14.10	12.00	3810.	430.	3402.
663	80102	75	1800.0	6.73	9.04	4170.	1152.	204.
664	81601	75	426.0	17.00	12.02	3500.	220.	400.
665	40226	75	1670.0	28.34	24.58	19731.	436.	2093.
666	250105	75	17040.0	34.20	36.38	52000.	820.	1000.
667	160913	75	298.0	11.85	8.69	2073.	361.	1129.
668	121121	76	5280.0	16.60	18.42	20185.	880.	5132.
669	210101	76	134.0	9.73	7.11	960.	220.	2000.
670	90203	76	7160.0	8.22	16.35	14600.	2480.	835.
671	90408	76	45856.0	48.06	59.54	198000.	925.	4600.
672	10301	76	1600.0	10.90	11.00	5895.	898.	1760.
673	250106	76	7000.0	7.32	15.25	11565.	1009.	740.
674	200513	77	70544.0	28.80	65.70	180000.	2534.	6500.
675	131415	77	5844.0	7.88	17.85	13700.	1700.	2593.
676	191602	77	4000.0	9.62	14.90	10097.	1160.	520.
677	160907	77	119.0	10.67	7.25	1054.	233.	1176.
678	13210	77	11464.0	25.83	26.58	33000.	760.	1000.
679	30704	77	82.0	10.00	7.30	757.	204.	769.
680	20413	77	268.0	11.60	8.90	1769.	308.	1445.
681	131405	77	5844.0	7.88	17.84	13674.	1725.	417.
682	30204	78	6000.0	19.61	20.85	19096.	833.	6486.
683	180302	78	506.0	12.94	12.03	3151.	393.	2226.
684	30720	78	924.0	15.00	11.90	4468.	547.	3402.
685	14001	78	40000.0	43.89	46.66	150000.	667.	6540.
686	160914	78	83.5	10.36	7.04	757.	202.	867.
687	131105	78	7054.0	7.15	16.00	18000.	1810.	780.
688	160915	78	268.0	11.75	8.41	1723.	311.	1631.
689	192301	78	1342.0	14.10	12.85	5670.	571.	4567.
690	160912	78	224.0	9.99	8.45	1542.	289.	1548.
691	130807	78	12800.0	11.43	17.07	21319.	1941.	1019.
692	90202	78	2960.0	13.65	15.93	10659.	872.	3983.
693	160905	79	149.0	10.67	7.62	1247.	282.	1334.
694	180304	79	2960.0	15.37	14.30	10886.	916.	5106.
695	70902	79	9120.0	23.72	25.27	30935.	916.	7495.
696	120101	79	149.0	11.58	7.60	1220.	241.	1327.
697	40110	79	17108.0	12.00	18.70	16100.	2500.	3700.
698	20211	80	1342.0	15.85	14.37	6600.	488.	1167.
699	40608	80	566.0	15.55	11.41	3842.	325.	642.
700	10303	80	1780.0	11.05	10.79	6150.	907.	1222.
701	21121	81	38320.0	47.57	48.51	136080.	863.	5749.
702	190907	81	1750.0	22.81	21.59	11793.	393.	1697.
703	81602	82	746.0	17.23	14.86	5500.	282.	1280.
704	70303	82	10000.0	10.43	16.51	21772.	2156.	4630.
705	20213	82	11152.0	26.34	28.55	40597.	778.	2473.
706	21120	82	32000.0	37.95	47.32	104325.	863.	4800.
707	20212	82	3580.0	30.63	26.06	22090.	474.	1545.
708	50103	83	2237.0	19.78	20.00	9600.	500.	2907.
709	61003	84	1400.0	9.69	10.93	4650.	740.	1500.

Command: