THE SUPPLEMENTAL IRAS MINOR PLANET SURVEY

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ABSTRACT

We present additional and revised IRAS diameters and albedos for the 1992 IRAS Minor Planet Survey (IMPS). Using orbital elements for 26,791 numbered asteroids, we found 2228 different multiply observed asteroids associated with IRAS sources, an increase of 432 (24%) over IMPS. The IRAS sample of small asteroids, diameters D < 20.0 km, has increased by 72% (from 306 to 526), the sample of Jupiter Trojan asteroids by 77% (from 39 to 69), and the sample of small Trojan asteroids (D < 80 km) by nearly a factor of 3 (from nine to 26). We present the entire Supplemental IRAS Minor Planet Survey data set, describe how it was created, compare it with the IMPS data set, and estimate how many more asteroids remain to be found in the IRAS data.

Key words: infrared radiation — minor planets, asteroids — solar system: general *On-line material*: additional tables

1. INTRODUCTION

The primary purpose of the *Infrared Astronomical Satellite (IRAS)* was to survey the sky in four wavelength bands centered near 12, 25, 60, and 100 μ m. The satellite was launched in 1983 January and obtained observations until 1983 November. During this period, it surveyed approximately 96% of the sky. The *IRAS* mission, data processing, and data products are described in the *IRAS* Explanatory Supplement (1988).

In 1982 October, following years of lobbying by the small-bodies community, the IRAS project approved creation of an Asteroid Task, the purpose of which was to extract sightings of asteroids and comets from the IRAS data stream and to derive useful physical information, primarily albedos and diameters, from the observed fluxes. Work on the Asteroid Task proceeded as planned for about 18 months, at which point there was a shortfall in overall NASA IRAS project funding and the Asteroid Task was prematurely terminated. After a hiatus of several months the task was restarted, at a lower level of effort, using "borrowed" funds from the Planetary Exploration Division at NASA headquarters. In the meantime, the Asteroid Task's systems engineer and half the programming staff had left and were no longer available for the Asteroid Task. Fortunately, two of the senior programmers (J. Chillemi and J. Fowler) were reassigned to the task, and it proceeded on a "best effort" basis. Because of this, there were insufficient resources to thoroughly test or document the asteroid data products prior to their release to the National Space Science Data Center (NSSDC). Thus, the "flux overestimation" effect, for example, although recognized prior to release, went uncorrected in the 1986 release. The resulting data set was submitted to the NSSDC as the "IRAS Asteroid and Comet Database and Catalog" together with documentation entitled "IRAS Asteroid and Comet Survey—Preprint Version No. 1—October 1986."

The IRAS asteroid albedo and diameter data (the IRAS Minor Planet Survey, or IMPS) currently in use (and available, e.g., from the NSSDC or NASA's Planetary Data System) were created under support provided by the US Air Force Geophysics Laboratory (now the Air Force Research Laboratory). Under this support, the IRAS asteroid database and code were ported to the IPAC Cyber computer, where they were recoded, improved association and reduction routines were devised, and the final versions of the IRAS asteroid data products were created. The IMPS port was necessary for two reasons: (1) technical issues regarding ground-based data used in processing the IRAS asteroid data, and recognition of several systematic effects that had been introduced into the 1986 version, and (2) the replacement of the original computer on which all IRAS data had been processed (an IBM 3030) with a Cyber 3600, together with the decision by the *IRAS* project that the asteroid code would not be ported to the new computer.

Thus, between 1988 and 1992 the *IRAS* asteroid database and code were ported to the IPAC Cyber. Microcomputers of the time (Intel 8 MHz 80386 CPU, 64 kbyte memory, and 10 Mbyte hard drives) were too limited to allow them to be used to perform the association portion of the task. However, such machines were adequate to process the associated sources output by the Cyber. Thus, a hybrid software system was created that used the Cyber to make the associations and an 80386 CPU microcomputer to use the Cyber's output to perform validation tasks and derive diameters and albedos for the asteroid sources (see Matson & Tedesco 1992, especially § 2.7, for further details.)

The results of this reprocessing were deposited at the NSSDC, and later with the Planetary Data System, where they supplanted the 1986 version "IRAS Asteroid and

Comet Database and Catalog" and where they are known as the "*IRAS* Diameters and Albedos from the *IRAS* Minor Planet Survey" data set. The hard-copy documentation (Tedesco 1992) was separately distributed.

The 437-page document (Tedesco 1992) detailing the creation of IMPS is divided into three parts. Part I presents an overview of the IRAS Asteroid Task and documents the data and algorithms used to identify, extract, and process asteroid detections to yield albedos and diameters. Part II presents catalogs of useful data derived from the IRAS infrared fluxes, and Part III contains appendices of acknowledgments, references, a list of acronyms, and a glossary of terms used throughout the document. Although the reader is often referred to the IRAS Explanatory Supplement (1988) for arcane details of the IRAS hardware, inertial source survey strategy, or IRAS Science Data Analysis Subsystem data processing technicalities, and to the IRAS Asteroid and Comet Survey (1986) for information regarding the previous processing of IRAS asteroid data, the IMPS document alone was intended to satisfy the needs of most users of *IRAS* asteroid data.

In contrast with the *IRAS* Asteroid and Comet Survey, IMPS processed only *IRAS* survey observations of asteroids; comets were *not* processed. Low Resolution Spectrometer, Serendipitous, and Additional Observations data were not processed. IMPS did process all asteroids with reasonably well known orbits as of 1990 December. In particular, IMPS extended this processing from asteroid 3318 to asteroid 4679, plus 2632 asteroids with preliminary (two or more opposition) orbits.

Note that, as with the *IRAS* Asteroid and Comet Survey (1986), the IMPS catalogs and databases are fundamentally different from those produced for fixed sources. Asteroids move, and their apparent emission levels can vary by large amounts over short timescales. Consequently, different methods and criteria were used for processing potential asteroid sightings. It is beyond the scope of the present work to describe these differences. For details of this type, the reader is referred to the publications noted above.

2. THE SUPPLEMENTAL *IRAS* MINOR PLANET SURVEY (SIMPS)

Toward the end of the IMPS task, in 1992, IPAC retired the Cyber computer and replaced it with a system of distributed workstations. Thus, the *IRAS* asteroid association code was again orphaned. Hence, in 1992, during the last few weeks of the IMPS task, the Cyber-specific code was converted to Microsoft FORTRAN 77 and validated by running on a small subset of orbital elements. This set of microcomputer codes, numbering 50 in all (seven in FORTRAN and the remainder in Turbo Pascal) was the starting point for developing SIMPS.

The goal of SIMPS was to create an all-microcomputer data set and code system for use in updating the *IRAS* asteroid albedo and diameter database on a continuing basis, in order to keep up with the rapidly expanding known asteroid population. Thus, SIMPS is an all-microcomputer version of IMPS.

The first task in developing SIMPS was to get the original version to execute. This was accomplished by converting the FORTRAN and Turbo Pascal codes to versions that would compile and execute on microcomputers running a current version of Microsoft Windows.

Because compiled Turbo Pascal codes do not run reliably on CPUs faster than 266 MHz, and because these codes are difficult to maintain, they were converted to C++ and an end-to-end validation run made. The validation consisted of running the ported codes using the same orbital element set, absolute magnitudes, and slope parameters used in creating IMPS and then comparing the output with the IMPS results. Comparing the output of the converted code with the IMPS results showed that out of the 260,780 byte IMPS albedos and diameters database (Final Product 102), one byte differed (the diameter for asteroid 2813 Zappalà changed from 32.57 to 32.58).

Following this validation, a number of minor changes were incorporated into the final (current) SIMPS version. These included the following: (1) Incorporation of revised physical constants from Cohen & Taylor (1999). For example, the value for the Stefan-Boltzmann constant has changed by -0.00011, i.e., by 20 parts per million (ppm). The new value is supposed to be accurate to 7 ppm; the accuracy of the previous value was 34 ppm. (2) Correction of an error in how the time was converted from *IRAS* time to UT. The corrected code yields times differing by up to 8 s from those obtained in IMPS.

The final SIMPS code was then run on the same input as that used to produce the 1992 IMPS database and the output compared, on a sighting-by-sighting basis, with the 1992 IMPS results, which this code was designed to reproduce. Identical results were obtained for 99.94%, i.e., for all but five, of the 7924 associated sightings.

2.1. SIMPS Processing

The SIMPS processing code uses the following input files: (1) the *IRAS* potential asteroid sightings database, IP01 (see Fowler & Chillemi 1992 for details on the creation of this file); (2) orbital elements for numbered asteroids; and (3) a file with additional information, i.e., an absolute magnitude (*H*) and slope parameter (*G*), and a default albedo and diameter, for each asteroid in the orbital element files.

The IP01 file is identical to that used in the IMPS processing. The only significant point of this is that, because this file was produced in 1984, the positions of the approximately 2.7 million non–hours-confirmed *IRAS* point sources with asteroid-like colors it contains are on the B1950.0 coordinate system. The elements received from the Minor Planet Center (MPC) are on the J2000.0 coordinate system, and so we convert them to B1950.0 and afterward work entirely in that coordinate system.

The orbital elements for the numbered asteroids were received from the MPC in 2001 July, courtesy of G. Williams. There are three sets of element files used, one each at epochs JD 2,445,400.5, 2,445,500.5, and 2,445,600.5.

The additional information file contains *H*- and *G*-values, mostly from the orbital element files. These are a superset of version 5.0 of the Planetary Data System's Small Bodies Node data set, which contains magnitude parameters for all asteroids numbered as of 2000 April 18 and includes 14,788 entries. Details appear in Minor Planet Circulars 28104 through 28116. However, at least one set of available photoelectric (*H*, *G*)-values (i.e., Wisniewski et al. 1997) were not included in this update. Thus, values for the 27 different

¹ See http://physics.nist.gov/constants.

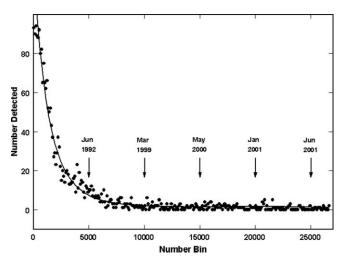


Fig. 1.—Number of *IRAS* associations per hundred numbered asteroids. Arrows indicate dates when the numbered population reached the values shown.

asteroids from Wisniewski et al. (1997) were incorporated. Four of these had derived values for G, and the remainder used assumed values of 0.09, 0.21, or 0.23. In order to be consistent with the current IAU magnitude system (adopted in 1991) used in IMPS, the assumed G-values were replaced by the default value (0.15) and the H-values corresponding to this default G computed. None of the Wisniewski et al. H-values changed by more than 0.02 mag because of this renormalization.

2.2. SIMPS Associations

Using orbital elements for 26,791 known asteroids, we found 2228 different multiply observed asteroids associated with *IRAS* sources, an increase of 432 (24%) over IMPS. Figure 1 is a plot of the number of SIMPS asteroids per 100 numbered asteroids. While around 90% of the first few hundred asteroids have *IRAS* associations,² this fraction drops

² The *IRAS* survey of the main asteroid belt's phase space was about 94% complete. Because of their slower motion, this increased to \sim 98% for the Jupiter Trojan asteroids (see Tedesco et al. 1994, \S 3).

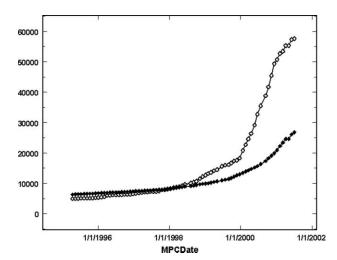


Fig. 2.—Number of orbital element sets for the known asteroids (*filled diamonds*) and multiopposition asteroids (*open diamonds*). Data from the MPC Web site as of 2001 July 5.

TABLE 1 SIMPS Asteroids Not Found in IMPS

Asteroid	US	UO
876 Scott	2	2
1174 Marmara	2	2
2044 Wirt	1	2
2125 Karl-Ontjes	1	2
2224 Tucson	2	2
2615 Saito	2	2
3397 Leyla	2	2
3693 Barringer	1	2
3772 Piaf ^a	2	2

NOTE.—US and UO are the number of used sightings and used observations contributing to the albedo published in the SIMPS FPs 202 and 203.

sharply with increasing number. Thus, the current, nearly flat association fraction of about six per thousand for numbers between 20,001 and 26,000 suggests that the next doubling of the numbered population (by late 2002; see Fig. 2) will yield about 150 new associations. This is between 1 and 2 orders of magnitude greater than the rate at which asteroid radiometric observations are currently being made.

2.3. Differences between the IMPS and SIMPS Catalogs

The 1992 (IMPS) and 2002 (SIMPS) catalogs are comparable through asteroid 4679, as this many numbered asteroids, i.e., those with reliable orbital elements, were used in the IMPS processing. Besides the greater number of orbital elements, the following differences exist: (1) IMPS processed both numbered and unnumbered multiapparition asteroids, whereas SIMPS processes only numbered asteroids.³ (2) The orbital elements used in SIMPS not only contain more asteroids than the set used in IMPS, but the values for many asteroids with numbers less than 4680 are different. (3) The values of H and G are different for about 25% of the sample.

IMPS associated 1796 asteroids having two or more observations with *IRAS* sources. There are 1794 asteroids in common between the 1992 and 2002 catalogs. They differ in that the SIMPS catalog contains nine asteroids not associated (Table 1), and is missing two asteroids that were associated (Table 2), with *IRAS* sources using the 1992 element set. Of those not associated, only 3772 Piaf appeared in the IMPS Singleton Catalog (Final Product 103). Neither of the

TABLE 2
IMPS Asteroids Not Found in SIMPS

Asteroid	US	UO
1388 Aphrodite	1	2
2843 Yeti	2	2

Note.—US and UO are the number of used sightings and used observations contributing to the albedo published in the IMPS catalog.

a Listed in the IMPS Singleton Catalog.

³ It was decided to limit this and future processing to known asteroids, as even those with multiopposition orbits are not of sufficient accuracy to permit reliable associations with potential *IRAS* sources.

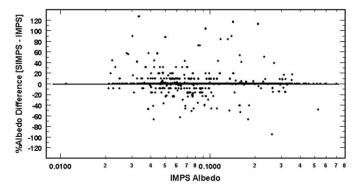


Fig. 3.—Percentage difference between SIMPS and IMPS albedos vs. IMPS albedos.

two sources associated by IMPS but not by SIMPS is in the SIMPS Singleton Catalog.

Of the 1794 asteroids appearing in both catalogs, 1526 (85%) have identical albedos; 112 (6%) have albedos that differ by more than 10%. Figure 3 is a plot of the percentage albedo difference, $[(SIMPS - IMPS)/IMPS] \times 100$, versus the IMPS albedo for asteroids with differing albedos. Three asteroids with percentage albedo differences exceeding 140% are not plotted, viz., 1166 Sakuntala—which went from 0.0875 to 0.6460 (a 638% increase due to a revision of H from 11.3 to 8.8); 1384 Kniertje—0.0823 to 0.3077 (a 274% increase due to a revision of H from 11.2 to 9.7); and 1444 Pannonia—0.1331 to 0.4748 (a 257% increase due to a revision of H from 10.6 to 9.1). We know of no colorimetry or spectroscopy on any of these asteroids, but 2MASS photometry (see Sykes et al. 2000) is probably available and may be sufficient to decide whether Sakuntala and Pannonia are actually E-class asteroids, as the high albedos suggest.

The *IRAS* observations of Sakuntala and Kniertje are solid: both were scanned three times and no flux overestimation correction was required, i.e., both were brighter than 1 Jy. The *IRAS* observations of Pannonia are of lower quality; it was scanned twice, only detected at 25 μ m, and needed a 0.5 flux overestimation correction.

There are two reasons for the differing albedos (and consequently the diameters as well), viz., different numbers of observations used in computing the mean albedo, because of differences in the associations (due to different orbital elements) and different values of H, G, or both. The effect of the number of accepted observations on the albedos is gen-

TABLE 3
ASTEROIDS WITH CHANGED G-VALUES

Asteroid	IMPS G	SIMPS G ^a
30 Urania	0.15	0.23
93 Minerva	-0.10	0.15
336 Lacadiera	0.13	0.15
428 Monachia	0.15	0.01
483 Seppina	0.23	0.15
770 Bali	0.15	0.16
944 Hidalgo	-0.10	0.15
3554 Amun	0.15	0.26
4179 Toutatis	0.15	0.10

^a Values for 30, 428, 770, and 3554 are from Wisniewski et al. 1997, and that for 4179 from Spencer et al. 1995.

erally small, on the order of a few to around 10%, and is largest for asteroids with few observations.

Changes in *H* and *G* (there were nine with changed values of *G*: four changed from nondefault values to default values, and five from default to derived; see Table 3) have a much larger effect on the computed albedo and diameter. The *H*-values for seven asteroids changed by more than 1 mag, and two changed by more than 2.5 mag. Figures 3 and 4 show this graphically.

The points scattered along the zero-difference line in Figure 3 are primarily due to differences in the number of observations contributing to the average albedo in the IMPS and SIMPS processing. The different numbers of observations are due to the different orbital elements and, thus, to the particular associations accepted in the IMPS and SIMPS processing using the same acceptance criteria.

The points scattered parallel to and above and below the zero-difference line in Figure 3 are primarily due to differences in H-values between those used in the IMPS and SIMPS processing. Because the vast majority of H-values are based upon photometry done incidental to astrometry (and using a default slope parameter value of 0.15), most have H-values rounded to tenths of a magnitude (and many are rounded to 0.5 or 1 mag). Hence, the first pair of horizontal stripes above and below the zero line corresponds to H-values differing by ± 0.1 mag, the second band to ± 0.2 mag, and so on.

Figure 4 shows the relation between differences in H and the percentage albedo difference. Here the vertical band of points clustering about the origin are primarily due to differences in the number of observations contributing to the average albedo in the IMPS and SIMPS processing. The points along the curved line are due primarily to the different values of H.

2.4. The SIMPS Database

The SIMPS database consists of the Final Product (FP) files summarized in Table 4. FP numbers 200 and 202 are presented herein, as well as, together with the other FP files summarized in Table 4, as ASCII files. The SIMPS output files, with one or two exceptions, are in the same format used for IMPS. Because the numbered asteroids now exceed 10,000, some fields needed to be changed from a short (2)

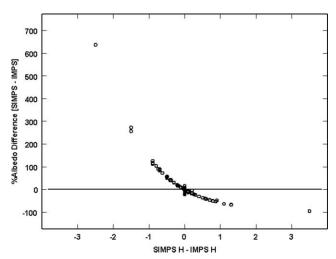


Fig. 4.—Percentage albedo difference vs. difference in absolute magnitude (H).

TABLE 4 SIMPS Data Products

Final Product No.	Final Product Name	Remarks
200	The Supplemental <i>IRAS</i> Minor Planet Survey (SIMPS)	This paper
201	SIMPS Final Products Format Catalog	Not produced; the formats of all the machine- readable data products below are in their headers
202 (243 kbyte)	SIMPS Albedos and Diameters Catalog	A distilled summary of the averaged results for the 2228 numbered asteroids with at least two accepted observations
203 (33 kbyte)	SIMPS Singleton Catalog	Same as Final Product 202, but for the 242 numbered asteroids that have only a single accepted sighting in a single band
204 ^a	SIMPS Statistics File (not produced)	A summary of the number of times each asteroid was sighted, the number of times it was predicted to be scanned, and possible reasons for any failure to be detected
205 (309 kbyte)	SIMPS Reject File	A summary of the number of rejected sightings for each asteroid and possible reasons for their rejection
206 (1389 kbyte)	SIMPS Missed Predictions File	A summary of asteroids that were scanned by the IRAS focal-plane array but that did not generate any associations
207 (7803 kbyte) ^b	SIMPS Ground-based Data Files	The three orbital element files and one additional data file used in the SIMPS data processing
208 (6073 kbyte) ^c	SIMPS Sightings File	A listing of 9244 accepted sightings associated with 2228 numbered asteroids

^a The code to create this file was apparently not saved when the original microcomputer version was produced at JPL in 1992. We did not consider it important enough (and lacked the resources) to recreate it. Most of the information it contained is available in products 205, 206, and 208.

byte) integer to a long (4 byte) integer. This necessarily made otherwise identical file records different. To differentiate SIMPS FP files from their IMPS counterparts, each IMPS FP number has been incremented by 100, i.e., SIMPS FP 202 is the SIMPS equivalent of IMPS FP 102, etc.

With one exception, apart from differences introduced to improve the readability of the tables below, the format of the tables and the FP files is the same. The exception is that the 32 bit OR'd accepted status word (AStatW) is not included in the print version of FP 202 (Table 5) but is included in the electronic version.

This document (FP 200), together with the machine-readable files of the final data products, constitutes the Supplemental *IRAS* Minor Planet Survey Catalog and Database, 2002. This supplants the *IRAS* Minor Planet Survey Catalog and Database, 1992. Based upon questions received over the past decade, the most used Final Products are, in decreasing order, FP 202, 200, 208, and 201.

2.5. Results

The average results from the SIMPS asteroid associations (FP 202) are given in Table 5. The format is identical to that in IMPS (Tedesco 1992) except for omission of the AstatW field.

Figure 5 compares the mean albedo versus diameter for the IMPS sample (asteroids having numbers below 4680) with the newly associated SIMPS asteroids. Although the majority of the higher numbered asteroids being associated have diameters less than 30 km, asteroids with diameters up to nearly 100 km are still being found. There are 29 new

associations (6.7%) with diameters greater than 50 km, and five (1.2%) with diameters greater than 80 km.

The markedly different albedo distribution of these newly identified IRAS asteroids is a consequence of the discoveryalbedo bias. The sample of small IMPS asteroids ($D \le 44$ km, ID < 4680) has roughly equal numbers in 0.1-wide bins of logarithmic albedo between -1.3 and -0.7

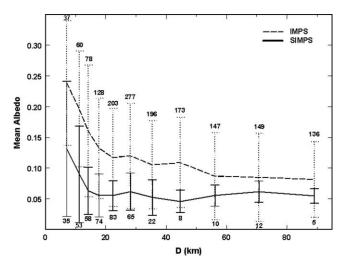


Fig. 5.—Mean albedo vs. diameter for the original IMPS and the newly identified SIMPS asteroids. Diameters are binned in intervals of $0.10 \log D$ except for the smallest bin, which is 0.30 in $\log D$. The numbers above the curves are the numbers of IMPS asteroids in the respective diameter bins, and those below are the numbers in the respective SIMPS diameter bins.

^b SIMPS.elem1.dat (2171 kbyte); SIMPS.elem2.dat (2171 kbyte); SIMPS.elem3.dat (2171 kbyte); SIMPS.additional.dat (1289 kbyte).

^c SIMPS.FP208A.dat (2509 kbyte); SIMPS.FP208B.dat (1981 kbyte); IMPS.FP208C.dat (1583 kbyte).

TABLE 5
ALBEDOS AND DIAMETERS

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
1	Ceres	3.34	0.1132	0.005	848.40	19.7	0.10	6	15	1.00	55	Pandora	7.80	0.3013	0.028	66.70	2.9	0.21	3	9	1.00
2	Pallas	4.13	0.1587	0.013	498.07	18.8	0.92	7	19	1.00	56	Melete	8.31	0.0653	0.002	113.24	1.7	0.10	9	26	1.00
3	Juno	5.33	0.2383	0.025	233.92	11.2	0.92	8	23	1.00	57	Mnemosyne	7.03	0.2149	0.011	112.59	2.8	0.10	2	5	1.00
4	Vesta	3.20	0.4228	0.053	468.30	26.7	0.10	1	2	1.00	58	Concordia	8.86	0.0578	0.004	93.43	3.0	0.10	3	7	1.00
5	Astraea	6.85	0.2268	0.027	119.07	6.5	0.68	3	9	1.00	59	Elpis	7.93	0.0438	0.003	164.80	6.0	0.90	5	14	1.00
6	Hebe	5.71	0.2679	0.008	185.18	2.9	0.10	7	18	0.88	60	Echo	8.21	0.2535	0.016	60.20	1.8	0.13	2	6	1.00
7	Iris	5.51	0.2766	0.030	199.83	10.0	0.91	6	18	1.00	61	Danae	7.68	0.2224	0.025	82.04	4.3	0.99	8	18	0.80
8	Flora	6.49	0.2426	0.008	135.89	2.3	0.10	7	19	1.00	62	Erato	8.76	0.0608	0.003	95.39	2.0	0.10	5	15	1.00
10	Hygiea	5.43	0.0717	0.002	407.12	6.8	0.10	9	22	1.00	63	Ausonia	7.55	0.1586	0.008	103.14	2.4	1.00	2	5	1.00
11	Parthenope	6.55	0.1803	0.007	153.33	3.1	0.45	4	11	1.00	65	Cybele	6.62	0.0706	0.003	237.26	4.2	0.10	6	17	1.00
12	Victoria	7.24	0.1765	0.010	112.77	3.1	0.10	2	6	1.00	66	Maja	9.36	0.0618	0.010	71.82	5.3	0.96	6	17	1.00
13	Egeria	6.74	0.0825	0.007	207.64	8.3	0.10	1	3	1.00	67	Asia	8.28	0.2551	0.013	58.11	1.4	0.10	3	9	1.00
15	Eunomia	5.28	0.2094	0.027	255.33	15.0	0.99	7	21	1.00	68	Leto	6.78	0.2283	0.021	122.57	5.3	0.90	7	21	1.00
16	Psyche	5.90	0.1203	0.004	253.16	4.0	0.131	1	32	1.00	69	Hesperia	7.05	0.1402	0.010	138.13	4.7	0.10	1	3	1.00
17	Thetis	7.76	0.1715	0.015	90.04	3.7	0.91	4	10	1.00	70	Panopaea	8.11	0.0675	0.003	122.17	2.3	0.10	4	12	1.00
18	Melpomene	6.51	0.2225	0.009	140.57	2.8	0.10	5	15	0.83	71	Niobe	7.30	0.3052	0.013	83.42	1.7	0.57	5	13	1.00
20	Massalia	6.50	0.2096	0.030	145.50	9.3	0.98	3	9	1.00	72	Feronia	8.94	0.0636	0.006	85.90	3.6	0.57	7	21	1.00
21	Lutetia	7.35	0.2212	0.020	95.76	4.1	0.46	5	15	1.00	73	Klytia	9.00	0.2247	0.039	44.44	3.4	0.90	8	21	1.00
22	Kalliope	6.45	0.1419	0.007	181.00	4.6	0.99	4	11	0.50	74	Galatea	8.66	0.0431	0.002	118.71	2.8	0.10	3	9	1.00
23	Thalia	6.95	0.2536	0.011	107.53	2.2	0.10	6	16	1.00	75	Eurydike	8.96	0.1473	0.011	55.91	1.9	0.10	5	14	1.00
25	Phocaea	7.83	0.2310	0.024	75.13	3.6	0.82	8	21	1.00	76	Freia	7.90	0.0362	0.002	183.66	4.0	0.10	5	15	1.00
26	Proserpina	7.50	0.1966	0.007	94.80	1.7	0.10	6	16	1.00	77	Frigga	8.52	0.1440	0.009	69.25	2.1	0.10	5	12	0.83
28	Bellona	7.09	0.1763	0.010	120.90	3.4	0.56	7	18	1.00	78	Diana	8.09	0.0706	0.003	120.60	2.7	0.10	9	26	1.00
29	Amphitrite	5.85	0.1793	0.012	212.22	6.8	0.65	4	11	1.00	79	Eurynome	7.96	0.2618	0.013	66.47	1.6	0.10	4	12	1.00
30	Urania	7.53	0.1714	0.009	100.15	2.4	0.40	8	22	1.00	80	Sappho	7.98	0.1848	0.008	78.39	1.7	0.631	1	29	1.00
31	Euphrosyne	6.74	0.0543	0.005	255.90	11.5	0.74	7	19	1.00	81	Terpsichore	8.48	0.0505	0.002	119.08	2.1	0.101	1	32	1.00
32	Pomona	7.56	0.2564	0.010	80.76	1.6	0.10	9	25	0.90	82	Alkmene	8.40	0.2075	0.011	60.96	1.5	0.10	4	12	1.00
34	Circe	8.51	0.0541	0.003	113.54	3.3	0.68	7	19	1.00	83	Beatrix	8.66	0.0917	0.005	81.37	2.0	0.10	6	15	1.00
35	Leukothea	8.50	0.0662	0.004	103.11	2.7	0.10	2	5	1.00	84	Klio	9.32	0.0527	0.002	79.16	1.6	0.10	4	12	1.00
36	Atalante	8.46	0.0654	0.005	105.61	4.0	0.49	2	6	1.00	85	Io	7.61	0.0666	0.003	154.79	3.8	0.10	3	8	1.00
37	Fides	7.29	0.1826	0.007	108.35	1.9	0.10	8	22	1.00	86	Semele	8.54	0.0466	0.003	120.56	3.3	0.66	4	11	1.00
38	Leda	8.32	0.0618	0.002	115.93	2.1	0.10	9	25	1.00	87	Sylvia	6.94	0.0435	0.005	260.94	13.3	0.92	7	20	0.88
39	Laetitia	6.10	0.2869	0.036	149.52	8.6	0.67	3	7	1.00	88	Thisbe	7.04	0.0671	0.003	200.58	5.0	0.10	2	5	1.00
40	Harmonia	7.00	0.2418	0.031	107.62	6.2	0.99	7	21	1.00	89	Julia	6.60	0.1764	0.007	151.46	3.1	0.18	4	10	0.80
41	Daphne	7.12	0.0828	0.012	174.00	11.7	0.90	3	8	1.00	90	Antiope	8.27	0.0603	0.004	120.07	4.0	0.10	1	3	1.00
42	Isis	7.53	0.1712	0.012	100.20	3.4	0.10	2	4	1.00	91	Aegina	8.84	0.0426	0.003	109.81	3.3	0.10	2	6	1.00
43	Ariadne	7.93	0.2740	0.022	65.88	2.5	0.10	1	3	1.00	92	Undina	6.61	0.2509	0.014	126.42	3.4	0.10	2	6	1.00
44	Nysa	7.03	0.5458	0.067	70.64	4.0	0.99	6	18	1.00	93	Minerva	7.70	0.0733	0.004	141.55	4.0	0.10	2	6	1.00
45	Eugenia	7.46	0.0398	0.002	214.63	4.2	0.10	7	19	1.00	94	Aurora	7.57	0.0395	0.001	204.89	3.6	0.10	6	16	1.00
46	Hestia	8.36	0.0519	0.003	124.14	3.6	0.98	3	8	1.00	95	Arethusa	7.84	0.0698	0.012	136.04	10.1	0.99	7	21	1.00
47	Aglaja	7.84	0.0801	0.011	126.96	7.7	0.98	7	20	1.00	96	Aegle	7.67	0.0523	0.002	170.02	3.4	0.10	5	14	1.00
48	Doris	6.90	0.0624	0.004	221.80	7.5	0.38	4	10	1.00	97	Klotho	7.63	0.2285	0.027	82.83	4.5	0.75	7	18	1.00
49	Pales	7.80	0.0597	0.003	149.80	3.8	0.10	2	5	1.00	98	Ianthe	8.84	0.0471	0.002	104.45	1.8	0.10	8	23	1.00
50	Virginia	9.24	0.0357	0.004	99.82	5.2	0.10	1	3	1.00	99	Dike	9.43	0.0627	0.005	69.04	2.7	0.10	1	3	1.00
51	Nemausa	7.35	0.0928	0.003	147.86	2.4	0.10	6	18	1.00	100	Hekate	7.67	0.1922	0.009	88.66	2.0	0.16	8	23	1.00
52	Europa	6.31	0.0578		302.50	5.4	0.10	7	19	1.00	101	Helena	8.33	0.1898	0.008	65.84		0.10	5	15	1.00
53	Kalypso	8.81	0.0397		115.38	2.4	0.10	4	12	1.00	102	Miriam	9.26	0.0507	0.002	83.00	1.9	0.10	5	14	1.00
	Alexandra		0.0555			3.4	0.10	5	14	1.00	103	Hera		0.1833		91.20		0.95	9	25	1.00
								-											-		

TABLE 5—Continued

ID	Name	Н	P_{x}	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
104	Klymene	8.27	0.0568	0.003	123.68	3.1	0.10	6	15	1.00	158	Koronis	9.27	0.2766	0.024	35.37	1.4	0.10	4	11	1.00
105	Artemis	8.57	0.0465	0.002	119.08	2.8	0.10	3	9	1.00	159	Aemilia	8.12	0.0639	0.003	124.97	2.4	0.10	6	17	1.00
106	Dione	7.41	0.0893	0.003	146.59	2.8	0.10	6	17	1.00	160	Una	9.08	0.0625	0.003	81.24	2.1	0.10	2	5	1.00
107	Camilla	7.08	0.0525	0.009	222.62	17.1	1.00	9	27	1.00	161	Athor	9.15	0.1980	0.033	44.19	3.3	1.00	9	25	1.00
108	Hecuba	8.09	0.2431	0.037	64.97	4.4	0.53	5	14	1.00	162	Laurentia	8.83	0.0529	0.003	99.10	2.6	0.10	4	12	1.00
109	Felicitas	8.75	0.0699	0.004	89.44	2.5	0.10	7	15	1.00	163	Erigone	9.47	0.0546	0.010	72.63	5.7	0.98	5	15	0.83
110	Lydia	7.80	0.1808		86.09	2.0	0.10	5	15	1.00	164	Eva	8.89	0.0447	0.002	104.87	1.9	0.10	7	20	0.88
111	Ate	8.02	0.0605	0.004	134.55	4.6	0.10	1	3	1.00	165	Loreley	7.65	0.0642	0.004	154.78	4.8	0.10	2	6	1.00
112	Iphigenia	9.84	0.0393	0.005	72.18	4.4	1.001	2	36	1.00	167	Urda	9.24	0.2230	0.023	39.94	1.9	0.31	2	5	1.00
113	Amalthea	8.74	0.2649	0.017	46.14	1.4	0.10	3	9	1.00	168	Sibylla	7.94	0.0535	0.003	148.39	4.0	0.10	2	6	1.00
114	Kassandra	8.26	0.0884	0.003	99.65	1.9	0.10	6	17	1.00	169	Zelia	9.56	0.2347	0.041	33.60	2.6	0.80	3	8	0.75
115	Thyra	7.51	0.2747		79.83	1.4	0.10	6	17	1.00	170	Maria	9.39	0.1579	0.007	44.30	1.0	0.10	4	12	1.00
116	Sirona	7.82	0.2560		71.70	5.8	0.96	2	5	1.00	171	Ophelia	8.31	0.0615	0.004	116.69	3.6	0.97	4	10	1.00
117	Lomia	7.95	0.0528		148.71	6.6	0.57	4	12	1.00	172	Baucis	8.79	0.1382		62.43	1.2	0.10	7	21	1.00
118	Peitho	9.14	0.2240		41.73	1.5	0.101	1	32	1.00	173	Ino	7.66	0.0642	0.003	154.10	3.5	0.10	5	14	1.00
119	Althaea	8.42	0.2306		57.30	1.1	0.10	6	17	0.75	174	Phaedra	8.48	0.1495		69.24		1.00	7	19	1.00
120	Lachesis	7.75	0.0463		174.10	2.9	0.10	6	15	1.00	175	Andromache	8.31	0.0819	0.013	101.17	7.0	0.82	6	18	1.00
121	Hermione	7.31	0.0482		209.00	4.7	0.10	6	16	1.00	176	Iduna	7.90	0.0834	0.003	121.04	2.2	0.101	2	36	1.00
122	Gerda	7.87	0.1883		81.69	1.9	0.10	3	9	1.00	177	Irma	9.49	0.0527	0.003	73.22	1.6	0.101	4	12	1.00
123	Brunhild	8.89	0.2134		47.97	2.6	0.69	5	14	1.00	178	Belisana	9.38	0.0327	0.002	35.81	0.9	0.10	6	16	1.00
124	Alkeste		0.1728		76.36	1.7	0.10	4	12	1.00	179	Klytaemnestra	8.15	0.1609	0.006	77.69	1.4	0.10	12	33	0.92
125	Liberatrix	9.04	0.1728		43.58	2.3	0.10	4	11	1.00	181	Eucharis	7.84	0.1135	0.005	106.66	2.2	0.10	4	12	1.00
	Velleda	9.04	0.2233		44.82	1.3	0.43	2	6	1.00		Elsa	9.12	0.1133	0.005	43.68	4.1	0.10	5	14	1.00
126					188.16	4.0	0.10	4		1.00	182				0.043	35.43	2.8		5	7	
128	Nemesis	7.49	0.0504					7	12 20		183	Istria	9.68	0.1890				0.41			0.71
130	Elektra		0.0755		182.25	11.8	1.00	5		1.00 1.00	184	Dejopeja	8.31	0.1897	0.012	66.47 157.51	2.0	0.10	4	12	1.00
131	Vala	10.03	0.1051		40.44	1.8	0.71		10		185	Eunike	7.62	0.0638	0.002		2.6	0.10	8	23	0.89
132	Aethra	9.38	0.1718		42.66	1.6	0.10	5	13	0.83	186	Celuta	8.91	0.1929	0.013	49.99	1.6	0.10	3	8	1.00
133	Cyrene	7.98	0.2563		66.57	6.0	0.93	5	15	1.00	187	Lamberta	8.16	0.0566	0.002	130.40	2.7	0.10	4	12	1.00
134	Sophrosyne	8.76	0.0364		123.27	2.0	0.10	7	20	1.00	188	Menippe	9.22	0.2431	0.013	38.61	1.0	0.10	7	20	1.00
135	Hertha	8.23	0.1436		79.24	2.0	0.10	5	15	1.00	189	Phthia	9.33	0.2310	0.027	37.66	2.0	0.46	5	14	1.00
136	Austria	9.69	0.1459		40.14	1.0	0.10	3	9	1.00	191	Kolga	9.07	0.0408	0.003	101.03	3.5	0.10	2	6	1.00
137	Meliboea	8.05	0.0503		145.42	3.3	0.10	4	11	1.00	192	Nausikaa	7.13	0.2330	0.009	103.26	1.9	0.13	6	17	1.00
138	Tolosa	8.75	0.2699		45.50	2.1	0.10	2	6	1.00	194	Prokne	7.68	0.0528	0.003	168.42	4.1	0.10	3	9	1.00
139	Juewa	7.78	0.0557		156.60	2.8	0.10	7	20	0.88	195	Eurykleia	9.01	0.0599	0.002	85.71	1.7	0.10	9	26	0.90
140	Siwa	8.34	0.0676		109.79	3.0	0.10	2	6	1.00	196	Philomela	6.54	0.2299	0.023	136.39	6.3	0.62	6	18	1.00
141	Lumen	8.20	0.0540		131.03	2.9	0.10	3	8	1.00	197	Arete	9.18	0.4417	0.083	29.18	2.4	1.00	7	16	0.88
142	Polana	10.27	0.0451		55.29	1.6	0.10	2	6	1.00	198	Ampella	8.33	0.2517	0.027	57.16	2.8	0.85	8	22	0.80
143	Adria				89.93	1.9	0.10	8	23	1.00	200	Dynamene	8.26	0.0533	0.002	128.36	2.1	0.10	9	24	1.00
144	Vibilia	7.91	0.0597	0.002	142.38	2.6	0.10	6	15	1.00	201	Penelope	8.43	0.1604	0.018	68.39	3.5	0.75	5	14	1.00
145	Adeona	8.13	0.0433	0.002	151.14	3.2	0.10	4	10	1.00	202	Chryseis	7.42	0.2562	0.015	86.15	2.4	0.11	2	5	1.00
146	Lucina	8.20	0.0531	0.002	132.21	2.4	0.10	9	26	1.00	203	Pompeja	8.76	0.0410	0.002	116.25	2.5	0.10	5	13	1.00
147	Protogeneia	8.27	0.0492	0.004	132.93	5.1	0.37	4	11	1.00	204	Kallisto	8.89	0.2082	0.010	48.57	1.2	0.38	9	24	1.00
148	Gallia	7.63	0.1640	0.013	97.75	3.7	0.37	5	14	1.00	205	Martha	9.23	0.0553	0.002	80.58	1.4	0.10	7	18	1.00
149	Medusa	10.72	0.2334	0.022	19.75	0.9	0.19	7	18	0.88	207	Hedda	9.92	0.0552	0.003	58.70	1.3	0.10	3	9	1.00
150	Nuwa	8.23	0.0395	0.002	151.13	4.5	0.87	7	19	1.00	208	Lacrimosa	8.96	0.2696	0.023	41.33	1.7	0.25	2	5	1.00
151	Abundantia	9.24	0.1728	0.007	45.37	0.9	0.10	6	17	1.00	209	Dido	8.24	0.0349	0.001	159.94	3.1	0.12	7	20	1.00
153	Hilda	7.48	0.0618	0.002	170.63	3.3	0.10	7	19	1.00	210	Isabella	9.33	0.0436	0.002	86.65	2.3	0.10	2	6	1.00
154	Bertha	7.58	0.0480		184.93	3.6	0.10	5	13	1.00	211	Isolda	7.89	0.0602	0.004	143.19	5.1	0.49	20	58	0.95
156			0.0422		120.99	2.5	0.10	7	20	1.00	212	Medea	8.28	0.0465		136.12		0.10	6	16	1.00
		0.01	3.0.22	0.002			0	,			1		0.20	3.0.00	3.002			3.10	0		

TABLE 5—Continued

141 Liliera 8,64 0.0897 0.006 83,01 2.6 0.10 2.6 0.10 2.5 0.000 261. Libusca 8.7 0.0297 0.034 2.7 3.7 0.01 0.000 0	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
15	213	Lilaea	8.64	0.0897	0.006	83.01	2.6	0.10	2	5	1.00	263	Dresda	10.40	0.2263	0.043	23.24	1.9	0.18	3	4	0.75
14 15 15 16 16 16 17 16 17 16 18 16 18 19 10 16 18 18 19 10 16 18 18 19 10 16 18 18 18 18 18 18 18	214	Aschera	9.50	0.5220	0.048	23.16	1.0	0.10	5	8	1.00	264	Libussa	8.42	0.2971	0.034	50.48	2.7	0.39	7	19	1.00
Section Part	215	Oenone	9.59	0.2044	0.011	35.51	0.9	0.10	7	19	1.00	265	Anna	11.20	0.1045	0.033	23.66	3.0	0.56	2	3	1.00
Segretary Segr	216	Kleopatra	7.30	0.1164	0.004	135.07	2.1	0.10	8	19	1.00	266	Aline	8.80	0.0448	0.003	109.09	2.9	0.10	2	6	0.67
Page	217	Eudora	9.80	0.0484	0.004	66.24	2.3	0.10	2	6	1.00	267	Tirza	10.50	0.0402	0.005	52.68	3.1	0.66	4	11	1.00
Stephanis	218	Bianca	8.60	0.1746	0.008	60.62	1.4	0.10	4	12	1.00	268	Adorea	8.28	0.0440	0.003	139.89	5.2	0.10	1	3	1.00
Part	219	Thusnelda	9.32	0.2009	0.030	40.56	2.7	0.56	6	17	1.00	269	Justitia	9.50	0.0974	0.005	53.62	1.3	0.10	4	12	1.00
Decision P. Decision P	220	Stephania	11.00	0.0726	0.007	31.12	1.5	0.19	2	5	1.00	270	Anahita	8.75	0.2166	0.018	50.78	2.0	0.35	6	17	1.00
224	221	Eos	7.67	0.1400	0.010	103.87	3.6	0.98	7	15	1.00	271	Penthesilea	9.80	0.0633	0.008	57.93	3.3	0.71	5	13	1.00
224	222	Lucia	9.13	0.1318	0.021	54.66	3.9	0.86	13	37	1.00	272	Antonia	10.70	0.1443	0.017	25.35	1.4	0.16	4	9	1.00
Part	223	Rosa	9.68	0.0309	0.003	87.61	4.4	0.60	6	17	1.00		Atropos	10.26	0.1624	0.015	29.27	1.3	0.10	3	7	1.00
Description Prophisosphia Prophisosphia	224	Oceana	8.59	0.1694	0.012	61.82	2.1	0.10	2	6	1.00	274	Philagoria	10.10	0.2282	0.047	26.57	2.4	0.64	5	10	1.00
Patholosophia R70 O.0768 O.004 R7.31 C.4 O.18 A 12 D.00 C.28 Patholosophia R70 O.2765 O.24 A 12 D.00 D.0767 C.28 Agathe C.24 O.282 O.43 O.48 O.48	225	Henrietta	8.72	0.0396	0.002	120.49	2.5	0.10	6	17	1.00	276	Adelheid	8.56	0.0450	0.006	121.60	7.7	0.97	8	24	1.00
229. Agathe 1.24 8 0.085 2 0.04 3 9.30 0 8.8 10.0 1 1 2 0 0.10 1 279. Thule 8.5 7 0.041 2 0.03 1 26.59 3.7 0.13 4 9 0.77 1 1.00 230 230. Athamantis 7.35 0.1708 5 0.00 6 18.9 2.0 0.10 3 1.00 281 Lucretia 1.02 0.1987 0.035 1.176 0.09 0.03 3,03 1.0 0.1 0 1.0 1 0.0 1 2.0 1.0 1 2.0 1 0.0 1 2.0 1 0.0 1 2.0 1 0.0 1 2.0 1 0.0 1 2.0 1 0.0 1 2.0 1 0.0 1	226	Weringia	9.70	0.2035	0.020	33.83	1.5	0.10	3	7	0.75	277	Elvira	9.84	0.2770	0.020	27.19	0.9	0.10	6	17	1.00
Adelinda	227	Philosophia	8.70	0.0768	0.004	87.31	2.4	0.18	4	12	0.80	278	Paulina	9.40	0.2505	0.024	35.01	1.6	0.24	4	12	1.00
231 Vindobona 9.20 0.545 0.003 0.005 0.003 0.23 2.0 0.10 0.6 0.8 0.005 0.003 0.005 0.003 0.005 0.003 0.005 0.003 0.005 0.003 0.005 0.003 0.005 0.003 0.005 0.0	228	Agathe	12.48	0.2082	0.043	9.30	0.8	0.10	1	2	0.11	279	Thule	8.57	0.0412	0.003	126.59	3.7	0.13	4	9	0.67
Athamantis	229	Adelinda	9.13	0.0453	0.004	93.20	4.3	0.10	1	3	1.00	280	Philia	10.70	0.0444	0.004	45.69	2.0	0.10	6	17	1.00
Russia 10.25 0.0494 0.002 53.28 1.1 0.12 7 19 1.00 283. Emma 8.21 0.002 0.01 10 2 4 1.00 283. Emma 8.22 0.002 0.00 7 20 0.88 234 Barbara 9.02 0.2276 0.011 43.75 1.0 0.10 4 11 1.00 285. Regina 10.50 0.0547 0.00 45.0 2.0 0.0 8.82 0.1580 0.00 57.58 1.0 0.0 4 11 1.00 286. Lelca 8.98 0.0508 0.00 44.0 1.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 1.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 <t< td=""><td></td><td>Athamantis</td><td>7.35</td><td>0.1708</td><td>0.006</td><td>108.99</td><td>2.0</td><td>0.10</td><td>6</td><td>18</td><td>1.00</td><td>281</td><td>Lucretia</td><td>12.02</td><td>0.1987</td><td>0.035</td><td>11.76</td><td>0.9</td><td>0.39</td><td>4</td><td>6</td><td>0.44</td></t<>		Athamantis	7.35	0.1708	0.006	108.99	2.0	0.10	6	18	1.00	281	Lucretia	12.02	0.1987	0.035	11.76	0.9	0.39	4	6	0.44
233. Asterope 8.21 0.0870 0.015 102.78 7.9 1.001 4 41 1.00 284 Amalia 10.05 0.0602 0.066 52.95 2.6 1.00 7 20 0.88 234 Barbara 9.02 0.276 0.011 43.75 1.0 0.10 4 11 1.00 285 Regim 11.05 0.0547 0.00 45.13 2.2 0.10 5 13 1.00 236 Carolina 8.18 0.1271 0.012 86.20 3.7 0.49 7 21 1.00 288 Glauke 9.84 0.193 0.02 22 1.00 1 2 0.05 238 Glauke 9.84 0.193 0.02 3.2 1.00 288 Glauke 9.84 0.043 0.02 3.1 0.10 2 1.00 289 Nenetta 9.51 0.2488 0.042 3.0 0.02 2 0.05 2	231	Vindobona	9.20	0.0545	0.003	82.33	2.1	0.10	3	9	1.00	282	Clorinde	10.91	0.0502	0.003	39.03	1.0	0.10	8	22	1.00
234	232	Russia	10.25	0.0494	0.002	53.28	1.1	0.12	7	19	1.00	283	Emma	8.72	0.0262	0.002	148.06	4.6	0.10	2	4	1.00
Carolina S. R. Carolina	233	Asterope	8.21	0.0870	0.015	102.78	7.9	1.001	4	41	1.00	284	Amalia	10.05	0.0602	0.006	52.95	2.6	1.00	7	20	0.88
Secondary Cockestina Sample Sam	234	Barbara	9.02	0.2276	0.011	43.75	1.0	0.10	4	11	1.00	285	Regina	10.50	0.0547	0.006	45.13	2.2	0.10	2	4	1.00
237. Coelestina 9.24 0.2108 0.016 41.08 1.4 0.10 3 7 1.00 288 Glauke 9.84 0.1973 0.029 32.21 2.2 0.10 1 2 0.50	235	Carolina	8.82	0.1580	0.009	57.58	1.5	0.10	4	11	1.00	286	Iclea	8.98	0.0508	0.003	94.30	2.6	0.10	5	13	1.00
238	236	Honoria	8.18	0.1271	0.012	86.20	3.7	0.49	7	21	1.00	287	Nephthys	8.30	0.1851	0.008	67.60	1.4	0.10	4	12	1.00
239	237	Coelestina	9.24	0.2108	0.016	41.08	1.4	0.10	3	7	1.00	288	Glauke	9.84	0.1973	0.029	32.21	2.2	0.10	1	2	0.50
240	238	Hypatia	8.18	0.0428	0.002	148.49	3.6	0.24	6	17	1.00	289	Nenetta	9.51	0.2438	0.042	33.73	2.6	0.10	2	2	0.50
241 Germania 7.58 0.0575 0.002 168.90 3.1 0.10 6 17 1.00 293 Brasilia 9.94 0.0615 0.004 55.11 1.6 0.101 1 31 1.00 242 Kriemhild 9.20 0.2440 0.029 38.90 2.1 0.12 2 6 1.00 294 Felicia 9.60 0.0910 0.08 52.97 2.2 0.10 3 6 0.75 243 Ida 9.94 0.2383 0.065 27.99 3.2 0.90 6 13 0.86 295 Theresia 10.19 0.1930 0.029 27.72 1.9 0.10 2 3 0.43 244 Sita 12.20 0.1941 0.033 10.95 0.20 0.83 2 5 1.00 299 Thora 11.40 0.1673 0.03 1.0 2 5 1.00 245 Vera 7.82	239	Adrastea	10.30	0.0777	0.006	41.52	1.4	0.18	5	15	1.00	291	Alice	11.45	0.2075	0.033	14.97	1.1	0.10	3	3	0.23
242 Kriemhild 9.20 0.2440 0.029 38.90 2.1 0.12 2 6 1.00 294 Felicia 9.60 0.0910 0.008 52.97 2.2 0.10 3 6 0.75 243 Ida 9.94 0.2383 0.065 27.99 3.2 0.90 6 13 0.86 295 Theresia 10.19 0.1930 0.029 27.72 1.9 0.10 2 3 0.40 244 Sita 12.20 0.1941 0.033 10.95 0.8 0.10 3 4 0.27 297 Caecilia 9.50 0.1766 0.08 3.0 0.075 245 Vera 7.82 0.2082 0.018 7.9 1.00 30 Geraldina 9.60 0.0397 0.002 80.18 2.3 0.10 2.5 1.00 247 Eukrate 8.04 0.0595 0.002 134.43 2.5 0.10 6 17<	240	Vanadis	9.00	0.0411	0.002	103.90	2.5	0.10	3	9	1.00	292	Ludovica	9.50	0.2652	0.014	32.50	0.8	0.10	9	24	1.00
243 Ida 9.94 0.2383 0.065 27.99 3.2 0.90 6 13 0.86 295 Theresia 10.19 0.1930 0.029 27.72 1.9 0.10 2 3 0.40 244 Sita 12.20 0.1941 0.033 10.95 0.8 0.10 3 4 0.27 297 Caecilia 9.50 0.176 0.018 39.48 1.8 0.10 3 6 0.75 245 Vera 7.82 0.2082 0.018 79.50 3.2 0.83 2 5 1.00 299 Thora 11.40 0.1673 0.033 1.70 1.5 0.12 3 0.43 246 Asporina 8.62 0.1744 0.027 60.10 4 2.1 1.00 300 Geraldina 9.60 0.0397 0.002 80.18 2.3 1.00 20 2.1 1.00 301 Bary 1.00 302 Clarissa	241	Germania	7.58	0.0575	0.002	168.90	3.1	0.10	6	17	1.00	293	Brasilia	9.94	0.0615	0.004	55.11	1.6	0.101	1	31	1.00
244 Sita 12.20 0.1941 0.033 10.95 0.8 0.10 3 4 0.27 297 Caecilia 9.50 0.1796 0.018 39.48 1.8 0.10 3 6 0.75 245 Vera 7.82 0.2082 0.018 79.50 3.2 0.83 2 5 1.00 299 Thora 11.40 0.1673 0.033 1.0 1.5 0.12 3 3 0.43 246 Asporina 8.62 0.1744 0.027 60.10 4.2 1.00 7 19 1.00 300 Geraldina 9.60 0.0397 0.002 80.18 2.3 0.10 2 5 0.00 25 0.82 8.0 1.00 301 Bartina 10.10 0.0546 0.007 43.23 3.0 1.00 925 0.82 248 1.10 1.00 1.00 302 Clarissa 10.89 0.0524 0.010 38.33 3.1 </td <td>242</td> <td>Kriemhild</td> <td>9.20</td> <td>0.2440</td> <td>0.029</td> <td>38.90</td> <td>2.1</td> <td>0.12</td> <td>2</td> <td>6</td> <td>1.00</td> <td>294</td> <td>Felicia</td> <td>9.60</td> <td>0.0910</td> <td>0.008</td> <td>52.97</td> <td>2.2</td> <td>0.10</td> <td>3</td> <td>6</td> <td>0.75</td>	242	Kriemhild	9.20	0.2440	0.029	38.90	2.1	0.12	2	6	1.00	294	Felicia	9.60	0.0910	0.008	52.97	2.2	0.10	3	6	0.75
245 Vera 7.82 0.2082 0.018 79.50 3.2 0.83 2 5 1.00 299 Thora 11.40 0.1673 0.033 17.06 1.5 0.12 3 3 0.43 246 Asporina 8.62 0.1744 0.027 60.10 4.2 1.00 7 19 1.00 300 Geraldina 9.60 0.0397 0.002 80.18 2.3 0.10 2 5 1.00 247 Eukrate 8.04 0.0595 0.002 134.43 2.5 0.10 6 17 1.00 301 Bavaria 10.10 0.0546 0.007 54.32 3.3 1.00 9 25 0.82 248 Lameia 10.21 0.0615 0.007 48.66 2.5 0.94 4 11 1.00 302 Clarissa 10.89 0.0524 0.010 38.33 3.1 0.02 25 0.82 250 Bettima </td <td>243</td> <td>Ida</td> <td>9.94</td> <td>0.2383</td> <td>0.065</td> <td>27.99</td> <td>3.2</td> <td>0.90</td> <td>6</td> <td>13</td> <td>0.86</td> <td>295</td> <td>Theresia</td> <td>10.19</td> <td>0.1930</td> <td>0.029</td> <td>27.72</td> <td>1.9</td> <td>0.10</td> <td>2</td> <td>3</td> <td>0.40</td>	243	Ida	9.94	0.2383	0.065	27.99	3.2	0.90	6	13	0.86	295	Theresia	10.19	0.1930	0.029	27.72	1.9	0.10	2	3	0.40
246 Asporina 8.62 0.1744 0.027 60.10 4.2 1.00 7 19 1.00 300 Geraldina 9.60 0.037 0.002 80.18 2.3 0.10 2 5 1.00 247 Eukrate 8.04 0.0595 0.002 134.43 2.5 0.10 6 17 1.00 301 Bavaria 10.10 0.0546 0.007 54.32 3.3 1.00 9 25 0.82 248 Lameia 10.21 0.0615 0.007 48.66 2.5 0.94 4 11 1.00 302 Clarissa 10.89 0.0524 0.01 38.53 3.1 0.82 7 21 1.00 250 Bettima 7.58 0.2581 0.033 39.75 4.6 0.36 4 12 1.00 304 0.0ga 9.74 0.0488 0.003 67.86 2.1 0.10 25 1.5 1.00 251 <td>244</td> <td>Sita</td> <td>12.20</td> <td>0.1941</td> <td>0.033</td> <td>10.95</td> <td>0.8</td> <td>0.10</td> <td>3</td> <td>4</td> <td>0.27</td> <td>297</td> <td>Caecilia</td> <td>9.50</td> <td>0.1796</td> <td>0.018</td> <td>39.48</td> <td>1.8</td> <td>0.10</td> <td>3</td> <td>6</td> <td>0.75</td>	244	Sita	12.20	0.1941	0.033	10.95	0.8	0.10	3	4	0.27	297	Caecilia	9.50	0.1796	0.018	39.48	1.8	0.10	3	6	0.75
247 Eukrate 8.04 0.0595 0.002 134.43 2.5 0.10 6 17 1.00 301 Bavaria 10.10 0.0546 0.007 54.32 3.3 1.00 9 25 0.82 248 Lameia 10.21 0.0615 0.007 48.66 2.5 0.94 4 11 1.00 302 Clarissa 10.89 0.0524 0.010 38.53 3.1 0.82 7 21 1.00 249 Isle 11.33 0.0428 0.003 34.83 1.1 0.10 5 15 1.00 303 Josephina 8.70 0.0594 0.002 99.29 1.9 0.10 5 15 1.00 250 Bettima 7.58 0.2581 0.033 79.75 4.6 0.36 4 12 1.00 304 Olga 9.74 0.0488 0.003 67.86 2.1 0.10 2 6 1.00 251	245	Vera	7.82	0.2082	0.018	79.50	3.2	0.83	2	5	1.00	299	Thora	11.40	0.1673	0.033	17.06	1.5	0.12	3	3	0.43
248 Lameia 10.21 0.0615 0.007 48.66 2.5 0.94 4 11 1.00 302 Clarissa 10.89 0.0524 0.010 38.53 3.1 0.82 7 21 1.00 249 Isle 11.33 0.0428 0.003 34.83 1.1 0.10 5 15 1.00 303 Josephina 8.70 0.0594 0.002 99.29 1.9 0.10 5 15 1.00 250 Bettima 7.58 0.2581 0.033 79.75 4.6 0.36 4 12 1.00 304 Olga 9.74 0.0488 0.003 67.86 2.1 0.10 2 6 1.00 251 Sophia 10.00 0.2188 0.091 28.42 4.5 0.74 2 3 0.50 305 Gordonia 8.77 0.2269 0.014 49.17 1.5 0.23 8 22 1.00 252	246	Asporina	8.62	0.1744	0.027	60.10	4.2	1.00	7	19	1.00	300	Geraldina	9.60	0.0397	0.002	80.18	2.3	0.10	2	5	1.00
249 Isle 11.33 0.0428 0.003 34.83 1.1 0.10 5 15 1.00 303 Josephina 8.70 0.0594 0.002 99.29 1.9 0.10 5 15 1.00 250 Bettima 7.58 0.2581 0.033 79.75 4.6 0.36 4 12 1.00 304 Olga 9.74 0.0488 0.003 67.86 2.1 0.10 2 6 1.00 251 Sophia 10.00 0.2188 0.091 28.42 4.5 0.74 2 3 0.50 305 Gordonia 8.77 0.2269 0.014 49.17 1.5 0.23 8 22 1.00 252 Clementina 9.10 0.0843 0.012 69.29 4.4 0.67 5 14 1.00 306 Unitas 8.96 0.2112 0.023 46.70 2.3 0.83 11 32 1.00 252	247	Eukrate	8.04	0.0595	0.002	134.43	2.5	0.10	6	17	1.00	301	Bavaria	10.10	0.0546	0.007	54.32	3.3	1.00	9	25	0.82
250	248	Lameia	10.21	0.0615	0.007	48.66	2.5	0.94	4	11	1.00	302	Clarissa	10.89	0.0524	0.010	38.53	3.1	0.82	7	21	1.00
251 Sophia 10.00 0.2188 0.091 28.42 4.5 0.74 2 3 0.50 305 Gordonia 8.77 0.2269 0.014 49.17 1.5 0.23 8 22 1.00 252 Clementina 9.10 0.0843 0.012 69.29 4.4 0.67 5 14 1.00 306 Unitas 8.96 0.2112 0.023 46.70 2.3 0.83 11 32 1.00 253 Mathilde 10.20 0.0436 0.004 58.05 2.6 0.25 7 20 1.00 307 Nike 10.12 0.0524 0.007 54.96 3.3 0.98 6 17 1.00 254 Augusta 12.13 0.1695 0.036 12.11 1.1 0.10 1 2 0.20 308 Polyxo 8.17 0.0482 0.003 140.69 3.8 0.10 2 6 1.00 255 Oppavia 10.39 0.0374 0.002 57.40 1.5 0.10 4 12 1.00 309 Fraternitas 10.40 0.0595 0.10 45.32 3.3 1.00 4 7 1.00 256 Walpurga 9.80 0.0530 0.005 63.34 2.7 0.69 3 8 1.00 310 Margarita 10.30 0.1250 0.014 32.75 1.7 0.14 4 6 0.57 257 Silesia 9.47 0.0545 0.003 72.66 2.2 0.10 2 5 1.00 311 Claudia 9.89 0.3381 0.057 24.05 1.8 0.10 2 2 1.00 258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 312 Pierretta 8.89 0.1967 0.013 49.96 1.5 0.24 10 27 1.00 259 Aletheia 7.76 0.0436 0.004 178.60 6.8 0.28 2 6 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00 2 5 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00 314 Rosalia	249	Isle	11.33	0.0428	0.003	34.83	1.1	0.10	5	15	1.00	303	Josephina	8.70	0.0594	0.002	99.29	1.9	0.10	5	15	1.00
252 Clementina 252 Mathilde 10.20 0.0436 0.004 58.05 2.6 0.25 7 20 1.00 253 Mathilde 10.20 0.0436 0.004 58.05 2.6 0.25 7 20 1.00 254 Augusta 12.13 0.1695 0.036 12.11 1.1 0.10 1 2 0.20 255 Oppavia 10.39 0.0374 0.002 57.40 1.5 0.10 4 12 1.00 256 Walpurga 9.80 0.0530 0.005 63.34 2.7 0.69 3 8 1.00 257 Silesia 9.47 0.0545 0.003 72.66 2.2 0.10 2 5 1.00 258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 259 Aletheia 7.76 0.0436 0.004 178.60 6.8 0.28 2 6 1.00 260 Huberta 8.97 0.0509 0.004 94.67 3.6 0.10 1 3 1.00 306 Unitas 8.96 0.2112 0.023 46.70 2.3 0.83 11 32 1.00 307 Nike 10.12 0.0524 0.007 54.96 3.3 0.98 6 17 1.00 308 Polyxo 8.17 0.0482 0.003 140.69 3.8 0.10 2 6 1.00 309 Fraternitas 10.40 0.0595 0.10 45.32 3.3 1.00 4 7 1.	250	Bettima	7.58	0.2581	0.033	79.75	4.6	0.36	4	12	1.00	304	Olga	9.74	0.0488	0.003	67.86	2.1	0.10	2	6	1.00
253 Mathilde 10.20 0.0436 0.004 58.05 2.6 0.25 7 20 1.00 307 Nike 10.12 0.0524 0.007 54.96 3.3 0.98 6 17 1.00 254 Augusta 12.13 0.1695 0.036 12.11 1.1 0.10 1 2 0.20 308 Polyxo 8.17 0.0482 0.003 140.69 3.8 0.10 2 6 1.00 255 Oppavia 10.39 0.0374 0.002 57.40 1.5 0.10 4 12 1.00 309 Fraternitas 10.40 0.0595 0.10 45.32 3.3 1.00 4 7 1.00 256 Walpurga 9.80 0.0530 0.005 63.34 2.7 0.69 3 8 1.00 310 Margarita 10.30 0.1250 0.014 32.75 1.7 0.14 4 6 0.57 257 Silesia 9.47 0.0545 0.003 72.66 2.2 0.10 2 5 1.00 311 Claudia 9.89 0.3381 0.057 24.05 1.8 0.10 2 2 1.00 258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 312 Pierretta 8.89 0.1967 0.013 49.96 1.5 0.24 10 27 1.00 259 Aletheia 7.76 0.0436 0.004 178.60 6.8 0.28 2 6 1.00 313 Chaldaea 8.90 0.0524 0.002 96.34 1.7 0.10 6 17 1.00 260 Huberta 8.97 0.0509 0.004 94.67 3.6 0.10 1 3 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00	251	Sophia	10.00	0.2188	0.091	28.42	4.5	0.74	2	3	0.50	305	Gordonia	8.77	0.2269	0.014	49.17	1.5	0.23	8	22	1.00
254 Augusta 12.13 0.1695 0.036 12.11 1.1 0.10 1 2 0.20 308 Polyxo 8.17 0.0482 0.003 140.69 3.8 0.10 2 6 1.00 255 Oppavia 10.39 0.0374 0.002 57.40 1.5 0.10 4 12 1.00 309 Fraternitas 10.40 0.0595 0.10 45.32 3.3 1.00 4 7 1.00 256 Walpurga 9.80 0.0530 0.005 63.34 2.7 0.69 3 8 1.00 310 Margarita 10.30 0.1250 0.014 32.75 1.7 0.14 4 6 0.57 257 Silesia 9.47 0.0545 0.003 72.66 2.2 0.10 2 5 1.00 311 Claudia 9.89 0.3381 0.057 24.05 1.8 0.10 2 2 1.00 258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 312 Pierretta 8.89 0.1967 0.013 49.96 1.5 0.24 10 27 1.00 259 Aletheia 7.76 0.0436 0.004 178.60 6.8 0.28 2 6 1.00 313 Chaldaea 8.90 0.0524 0.002 96.34 1.7 0.10 6 17 1.00 260 Huberta 8.97 0.0509 0.004 94.67 3.6 0.10 1 3 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00	252	Clementina	9.10	0.0843		69.29	4.4	0.67	5	14	1.00	306	Unitas	8.96	0.2112	0.023	46.70	2.3	0.83	11	32	1.00
255 Oppavia 10.39 0.0374 0.002 57.40 1.5 0.10 4 12 1.00 309 Fraternitas 10.40 0.0595 0.10 45.32 3.3 1.00 4 7 1.00 256 Walpurga 9.80 0.0530 0.005 63.34 2.7 0.69 3 8 1.00 310 Margarita 10.30 0.1250 0.014 32.75 1.7 0.14 4 6 0.57 257 Silesia 9.47 0.0545 0.003 72.66 2.2 0.10 2 5 1.00 311 Claudia 9.89 0.3381 0.057 24.05 1.8 0.10 2 2 1.00 258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 312 Pierretta 8.89 0.1967 0.013 49.96 1.5 0.24 10 27 1.00 259 Aletheia 7.76 0.0436 0.004 178.60	253	Mathilde	10.20	0.0436	0.004	58.05	2.6	0.25	7	20	1.00	307	Nike	10.12	0.0524	0.007	54.96	3.3	0.98	6	17	1.00
255 Oppavia 10.39 0.0374 0.002 57.40 1.5 0.10 4 12 1.00 309 Fraternitas 10.40 0.0595 0.10 45.32 3.3 1.00 4 7 1.00 256 Walpurga 9.80 0.0530 0.005 63.34 2.7 0.69 3 8 1.00 310 Margarita 10.30 0.1250 0.014 32.75 1.7 0.14 4 6 0.57 257 Silesia 9.47 0.0545 0.003 72.66 2.2 0.10 2 5 1.00 311 Claudia 9.89 0.3381 0.057 24.05 1.8 0.10 2 2 1.00 258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 312 Pierretta 8.89 0.1967 0.013 49.96 1.5 0.24 10 27 1.00 259 Aletheia 7.76 0.0436 0.004 178.60	254	Augusta	12.13	0.1695	0.036	12.11	1.1	0.10	1	2	0.20		Polyxo	8.17	0.0482	0.003	140.69	3.8	0.10	2	6	1.00
257 Silesia 9.47 0.0545 0.003 72.66 2.2 0.10 2 5 1.00 311 Claudia 9.89 0.3381 0.057 24.05 1.8 0.10 2 2 1.00 258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 312 Pierretta 8.89 0.1967 0.013 49.96 1.5 0.24 10 27 1.00 259 Aletheia 7.76 0.0436 0.004 178.60 6.8 0.28 2 6 1.00 313 Chaldaea 8.90 0.0524 0.002 96.34 1.7 0.10 6 17 1.00 260 Huberta 8.97 0.0509 0.004 94.67 3.6 0.10 1 3 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00	255	Oppavia	10.39	0.0374	0.002	57.40	1.5	0.10	4	12	1.00		Fraternitas	10.40	0.0595	0.10	45.32	3.3	1.00	4	7	1.00
258 Tyche 8.50 0.1676 0.006 64.78 1.2 0.10 8 23 1.00 312 Pierretta 8.89 0.1967 0.013 49.96 1.5 0.24 10 27 1.00 259 Aletheia 7.76 0.0436 0.004 178.60 6.8 0.28 2 6 1.00 313 Chaldaea 8.90 0.0524 0.002 96.34 1.7 0.10 6 17 1.00 260 Huberta 8.97 0.0509 0.004 94.67 3.6 0.10 1 3 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00	256	Walpurga	9.80	0.0530	0.005	63.34	2.7	0.69	3	8	1.00	310	Margarita	10.30	0.1250	0.014	32.75	1.7	0.14	4	6	0.57
259 Aletheia 7.76 0.0436 0.004 178.60 6.8 0.28 2 6 1.00 313 Chaldaea 8.90 0.0524 0.002 96.34 1.7 0.10 6 17 1.00 260 Huberta 8.97 0.0509 0.004 94.67 3.6 0.10 1 3 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00	257	Silesia	9.47	0.0545	0.003	72.66	2.2	0.10	2	5	1.00	311	Claudia	9.89	0.3381	0.057	24.05	1.8	0.10	2	2	1.00
260 Huberta 8.97 0.0509 0.004 94.67 3.6 0.10 1 3 1.00 314 Rosalia 9.50 0.0787 0.006 59.65 2.2 0.10 2 5 1.00	258	Tyche	8.50	0.1676	0.006	64.78	1.2	0.10	8	23	1.00	312	Pierretta	8.89	0.1967	0.013	49.96	1.5	0.24	10	27	1.00
	259	Aletheia	7.76	0.0436	0.004	178.60	6.8	0.28	2	6	1.00	313	Chaldaea	8.90	0.0524	0.002	96.34	1.7	0.10	6	17	1.00
	260	Huberta	8.97	0.0509	0.004	94.67	3.6	0.10	1	3	1.00	314	Rosalia	9.50	0.0787	0.006	59.65	2.2	0.10	2	5	1.00
	261	Prymno	9.44	0.1141	0.006	50.93	1.3	0.10	3	9	1.00	I .	Goberta	9.80	0.0925	0.008	47.92	1.9	0.10	2	6	1.00

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
317	Roxane	10.03	0.4928	0.083	18.67	1.4	0.10	2	2	0.40	374	Burgundia	8.67	0.3014	0.018	44.67	1.3	0.10	4	11	1.00
319	Leona	9.80	0.0457	0.014	68.16	8.5	1.00	8	20	0.89	376	Geometria	9.49	0.2320	0.030	34.91	2.1	0.74	4	12	1.00
321	Florentina	10.04	0.2296	0.028	27.23	1.5	0.10	4	7	0.44	377	Campania	8.89	0.0592	0.003	91.05	2.0	0.10	4	10	1.00
322	Phaeo	9.01	0.0876	0.013	70.84	4.9	0.91	10	24	0.83	378	Holmia	9.80	0.2971	0.043	26.74	1.7	0.10	3	6	0.75
323	Brucia	9.73	0.1765	0.018	35.82	1.7	0.10	1	2	1.00	379	Huenna	8.87	0.0587	0.002	92.33	1.7	0.10	6	18	1.00
324	Bamberga	6.82	0.0628	0.004	229.44	7.4	0.10	2	5	1.00	380	Fiducia	9.42	0.0563	0.005	73.19	2.8	0.78	10	29	1.00
	Heidelberga	8.65	0.1068	0.005	75.72	1.7	0.10	6	18	1.00	381	Myrrha	8.25	0.0609	0.003	120.58	2.7	0.10	8	24	1.00
326	Tamara	9.36	0.0368	0.001	93.00	1.7	0.99	4	11	1.00	382	Dodona	8.77	0.1610	0.017	58.37	2.8	0.68	6	17	1.00
328	Gudrun	8.60	0.0425	0.004	122.92	5.2	0.56	3	7	1.00	383	Janina	9.91	0.0926	0.008	45.52	1.8	0.10	4	10	1.00
329	Svea	9.66	0.0399	0.001	77.80	1.4	0.10	5	14	1.00	384	Burdigala	9.64	0.1805	0.025	36.93	2.4	0.91	6	17	1.00
	Etheridgea	9.62	0.0447	0.003	74.92	2.7	0.78	4	11	1.00	385	Ilmatar	7.49	0.2129	0.008	91.53	1.6	0.10	8	24	1.00
	Siri	9.50	0.1719		40.37	1.8	0.10	2	6	1.00	386	Siegena	7.43	0.0692	0.002	165.01	2.7	0.10	7	19	1.00
333	Badenia	9.46	0.0475		78.17	1.9	0.32	4	11	1.00	387	Aquitania	7.41	0.1900	0.011	100.51	2.9	0.10	2	6	1.00
	Chicago	7.64	0.0618		158.55	8.9	0.31	4	10	1.00	388	Charybdis	8.57	0.0506	0.007	114.17	6.8	0.81	5	15	1.00
335	Roberta	8.96	0.0580		89.07	2.0	0.10	6	17	1.00	389	Industria	7.88	0.1983	0.012	79.23	2.4	0.36	9	27	1.00
	Lacadiera	9.76	0.0459		69.31	2.4	0.32	8	23	0.73	390	Alma	10.39	0.2190	0.029	23.74	1.4	0.25	6	5	1.00
	Devosa	8.74	0.1614		59.11	2.3	0.10	3	6	0.75	392	Wilhelmina	9.70	0.0589	0.003	62.88	1.5	0.10	3	8	1.00
338	Budrosa	8.50	0.1766		63.11	8.8	1.00	5	15	1.00	393	Lampetia	8.39	0.0829	0.099	96.89	31.4	1.00	3	7	1.00
	Dorothea	9.24	0.2431		38.25	1.6	0.10	5	11	0.83	394	Arduina	9.66	0.2464	0.032	31.32	1.8	0.10	3	4	0.75
	Eduarda	9.90	0.2118		30.24	1.2	0.10	3	8	1.00	395	Delia	10.38	0.0479	0.005	50.98	2.4	0.10	1	3	1.00
	California		0.4950		14.67	0.9	0.48	8	21	0.50	396	Aeolia	9.90	0.1667	0.036	34.09	3.2	0.99	7	20	1.00
342	Bndymion	10.22	0.0393		60.63	2.8	0.94	2	5	1.00	397	Vienna	9.31	0.1776	0.015	43.34	1.8	0.10	2	5	1.00
	Ostara		0.1151		19.10	1.3	0.33	2	5	1.00	398	Admete	10.30	0.0607	0.006	46.98	2.3	0.10	3	8	0.75
	Desiderata	8.08	0.0592		132.27	5.5	0.96	9	25	0.90	399	Persephone	9.00	0.1838	0.034	49.13	4.0	0.83	5	14	1.00
	Tercidina	8.71	0.0654		94.12	4.9	0.91	5	13	0.83	400	Ducrosa	10.10	0.1423	0.014	33.66	1.6	0.10	5	10	1.00
	Hermentaria		0.2189		106.52	2.2	0.10	4	12	1.00	401	Ottilia	9.10	0.0412	0.002	99.12	2.1	0.10	4	11	1.00
	Pariana	8.90	0.1845		51.36	4.4	1.00	10	28	1.00	402	Chloe	9.02	0.1483	0.015	54.21	2.5	0.93	5	14	1.00
	May	9.40	0.0448		82.82	2.2	0.18	6	18	1.00	403	Cyane	9.10	0.1463	0.007	49.49	1.1	0.10	7	19	1.00
	Dembowska	5.93	0.3840		139.77	4.3	0.72	6	17	1.00	404	Arsinoe	9.01	0.1033	0.007	97.71	1.5	0.10	9	26	1.00
	Ornamenta	8.37			118.35	4.5	0.72	12	35	0.92	405	Thia	8.46	0.0468	0.001	124.90	2.3	0.10	5	15	1.00
	Yrsa	8.98	0.2884		39.59	2.2	0.19	4	10	1.00	406	Erna	10.36	0.0524	0.002	49.19	1.7	0.10	4	12	1.00
	Gisela	10.01	0.4261		20.27	2.9	0.19	2	6	1.00	407	Arachne	8.88	0.0548	0.007	95.07	5.4	0.10	9	27	1.00
	Eleonora	6.44	0.1948		155.17	8.5	1.00	15	42	1.00	408	Fama	9.50	0.1681	0.007	40.81	2.1	0.12	5	7	0.45
	Gabriella	10.40	0.1348		22.79	1.1	0.10	8	12	0.67	409	Aspasia	7.62	0.0606	0.019	161.61	6.8	0.12	4	12	1.00
	Liguria	8.22	0.2533		131.31	2.6	0.10	7	19	1.00	410	Chloris	8.30	0.0554	0.005	123.57	5.4	0.92	20	55	1.00
	Ninina	8.72	0.0528		106.10	2.2	0.10	5	14	1.00	411	Xanthe	8.90	0.0334	0.005	76.53	2.3	0.32	7	21	1.00
	Apollonia	9.10	0.0510		89.45	2.7	0.10	7	19	1.00		Elisabetha	9.00	0.0536	0.003	90.96	2.3	0.10	5	14	1.00
	*	8.86	0.0300	0.003	43.89	4.2	0.32	4	12	1.00	412		10.18	0.0330	0.003	31.95	2.8	0.10	4	12	1.00
	Georgia		0.2021		115.76	4.2	0.78	6	15	1.00	413	Edburga			0.029	69.89	2.9	0.83		16	1.00
	Carlova	8.48					0.20	8	23		414	Liriope	9.49	0.0579					6		
	Bononia	8.22	0.0453		141.72	6.9				0.89	415	Palatia	9.21	0.0628	0.008	76.34	4.6	1.00	11	31	1.00
	Isara	9.86	0.2566		27.99	1.0	0.10	6	15	0.75	416	Vaticana	7.89	0.1689	0.007	85.47	1.7	0.10	5	15	0.71
	Corduba	9.18	0.0335		105.92	3.0	0.52	12	35	1.00	417	Suevia	9.34	0.1960	0.020	40.69	1.9	0.30	2	6	1.00
	Vincentina	8.50	0.0800		93.75	3.2	0.21	10	27	0.91	418	Alemannia	9.77	0.1878	0.062	34.10	4.6	1.00	8	17	1.00
	Amicitia	10.70	0.2535		19.13	1.6	0.10	1	2	1.00	419	Aurelia	8.42	0.0455	0.003	129.01	4.1	0.55	12	34	1.00
	Haidea	9.93	0.0389	0.003	69.61	2.2	0.10	4	11	1.00	420	Bertholda	8.31	0.0420	0.004	141.25	6.9	0.88	11	32	1.00
	Aeria		0.1919		60.00	1.2	0.10	9	27	1.00	423	Diotima	7.24	0.0515	0.003	208.77	4.9	0.10	3	9	1.00
	Bohemia	8.72	0.1924		54.64	1.1	0.11	7	19	1.00	424	Gratia	9.80	0.0279	0.001	87.20	1.8	0.10	6	16	1.00
	Palma	7.20	0.0655	0.002	188.62	3.2	0.10	6	18	1.00	425	Cornelia	9.90	0.0475	0.003	63.85	1.7	0.10	3	9	1.00
373	Melusina	9.13	0.0429	0.004	95.77	3.7	0.37	6	18	1.00	426	Hippo	8.42	0.0469	0.003	127.10	3.5	0.57	6	14	1.00

TABLE 5—Continued

Monachin 11,74	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	P_{x}	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
Page Lotis Page Lotis Page Lotis Page Page Lotis Page Pag	427	Galene	9.80	0.2364	0.020	29.98	1.2	0.10	5	10	0.63	485	Genua	8.30	0.2072	0.020	63.88	2.9	1.00	8	22	1.00
Hybris 10.30 1.200 6.007 3.33 0.9 0.10 5 14 1.00 488	428	Monachia	11.74	0.1142	0.018	17.65	1.3	0.10	3	3	0.75	486	Cremona	10.89	0.1631	0.019	21.85	1.2	0.10	2	4	1.00
431	429	Lotis	9.82	0.0430	0.002	69.62	1.5	0.10	6	17	1.00	487	Venetia	8.14	0.2457	0.011	63.15	1.3	0.10	8	22	1.00
1435	430	Hybris	10.30	0.1206	0.007	33.33	0.9	0.10	5	14	1.00	488	Kreusa	7.81	0.0589	0.005	150.13	6.4	1.00	7	20	1.00
Hard		Nephele	8.72	0.0636	0.002	95.03	1.6	0.10	8	20	1.00		Comacina	8.32	0.0427	0.002	139.39	3.0	0.10	4	11	1.00
Hard	432	Pythia	8.84	0.2338	0.009	46.90	0.8	0.10	9	27	1.00	490	Veritas	8.32	0.0622	0.006	115.55	5.5	0.66	6	18	1.00
March Marc		Ella	10.23	0.0831	0.006	41.49	1.5	0.10	2	6	1.00	491	Carina	8.50	0.0743	0.006	97.29	3.8	0.10	1	3	1.00
Seminar Semi	436	Patricia	9.80	0.0599	0.009	59.53	4.2	0.80	9	26	1.00	492	Gismonda	9.80	0.0795	0.005	51.69	1.4	0.10	8	24	1.00
Ash	437	Rhodia	10.41	0.7035	0.084	13.12	0.7	0.10	2	3	0.67	493	Griseldis	10.30	0.0622	0.013	46.41	4.1	0.69	9	20	1.00
444 Bahilde ASI 0.140 0.011 70.32 2.60 0.10 2 6 1.00 496 Chyphia 11.078 0.0571 0.004 38.85 1.4 0.15 8 Although the Bahilde ASI 0.140 0.011 70.32 2.60 0.10 1 3 1.00 496 Chyphia 11.61 0.1676 0.027 15.47 1.1 0.10 2 2 442 Eichsfeldia 10.03 0.0386 0.02 66.73 1.4 0.10 6 1.7 1.00 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.22 6 6 1.0 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.22 6 6 1.0 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.22 6 6 1.0 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.02 2.6 6 1.0 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.02 2.6 6 1.0 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.02 6 1.0 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.02 6 1.0 498 Tokio 8.95 0.0694 0.004 81.83 2.3 0.02 6 1.0 444 Tokio 8.95 0.0694 0.004 81.83 2.3 0.02 6 1.0 444 Tokio 8.95 0.0694 0.004 81.83 2.3 0.044 0.004 1.0 404 1.0 404 1.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	438	Zeuxo	9.80	0.0568	0.008	61.14	3.9	0.87	9	25	1.00	494	Virtus	8.96	0.0630	0.003	85.52	1.8	0.10	6	18	1.00
444 Bathilde 8.51 0.1410 0.011 70.32 2.6 0.10 1 3 1.00 498 Gryphia 11.61 0.1676 0.027 15.47 2.1 0.10 2 442 Eisehsfeldin 10.03 0.188 0.02 26.88 1.6 1.00 8 2.2 1.00 499 Venusia 9.39 0.0488 0.00 81.33 3.0 0.4 444 Gyst 4.0 2.0 1.0 5 1.3 1.00 500 Selinur 9.30 0.0484 0.009 43.0 1.1 0.10 4 444 Okateina 9.90 0.2414 0.00 9.27 2.1 0.10 50.2 Sigune 0.07 30.00 1.0 2.0 0.0 2.0 3.0 0.0 4.9 0.0 2.0 0.0 0.0 4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		Ohio	9.83	0.0352	0.002	76.57	2.2	0.10	2	6	1.00		Eulalia	10.78	0.0571	0.004	38.85	1.4	0.15	8	22	1.00
442. Eichsfeldia 10.03 0.0386 0.02 66.73 1.4 0.10 6 17 1.00 498 Tokio 8.95 0.004 0.04 81.83 3.3 0.10 4 444. Gyptis 7.83 0.0490 0.007 163.08 10.0 1.00 500 Sclimur 9.30 0.1804 0.009 42.20 1.1 0.10 4 444 Edna 9.29 0.044 0.008 81.71 2.1 0.0 51 1.00 500 Sclimur 9.30 0.1081 0.009 42.0 1.0 3 445 Cathenia 8.99 0.2361 0.038 45.40 3.2 0.53 1.0 50 Sigune 1.7 0.040 0.03 3.0 4 1.1 1.00 50 Sigune 1.7 0.040 0.03 4 1.1 1.00 50 Mark 4.0 0.00 2.0 1.1 0.0 4.0 4.0	441	Bathilde	8.51	0.1410	0.011	70.32	2.6	0.10	1	3	1.00	496	Gryphia	11.61	0.1676	0.027	15.47	1.1	0.10	2	2	0.50
444. Gyptis 7,88 0,0490 0,007 163,08 100 1,00 5 13 1,00 500 Sclinur 9,30 0,1814 0,009 43,20 1,1 0,10 6 445 Edna 9,20 0,0447 0,002 87,17 2,1 0,10 9 25 1,00 501 Urbixidur 8,90 0,015 1,50 20 0.83 3 444 Valentine 8,90 0,021 0,00 70 2,0 1 0,00 2 0,00 2 1 0,00 2 1 0,00 2 1 0,00 2 1 0,00 2 1 0,00 2 1 0,00 2 1 0,00 2 1 0,00 0	442	Eichsfeldia	10.03	0.0386	0.02	66.73	1.4	0.10	6	17	1.00		Tokio	8.95	0.0694	0.004	81.83	2.3	0.22	6	15	1.00
445 Edna 9.9 0.0447 0.002 87,17 2.1 0.10 9 25 1.00 501 Urbisidur 8,90 0.081 2.005 77,44 2.3 0.10 3 446 Aeternitas 8.90 0.0714 0.006 79.22 3.2 0.95 1 1.00 502 Sigune 10.77 0.305 0.008 81.08 2.0 0.08 3 448 Natulie 10.0 0.0888 0.004 47.76 1.7 0.10 7 21.00 506 Marion 8.85 0.04 0.03 3 0.01 3 21.00 1.0 7 0.01 7 0.00 506 Marion 8.80 0.074 0.01 2.0 0.05 0.03 1.1 1.0 0.0 506 Marion 8.2 0.044 0.00 2.0 0.03 1.0 1.1 1.00 507 Laodica 9.10 0.2112 0.04 2.0 2.0	443	Photographica	10.28	0.1918	0.025	26.68	1.6	1.00	8	22	1.00	499	Venusia	9.39	0.0468	0.004	81.38	3.3	0.10	4	10	1.00
446. Edna 9.9 0.0447 0.002 87.17 2.1 0.10 9 2.5 1.00 501. Urbixidur 8,90 0.0812 0.08 3 4.47 446. Acternitus 8.99 0.0714 0.006 79.22 3.2 0.55 1.1 32 0.79 503 Evelyn 9.14 0.085 0.00 8.16.8 4.9 0.06 2.2 448 Natalie 10.3 0.0088 8.004 47.76 1.7 0.10 7 2.1 1.00 506 Marion 8.85 0.00 0.01 7.2 1.0 0.06 Marion 8.85 0.01 0.03 2.1 1.0 0.06 Marion 8.24 0.044 0.00 2.3 1.1 1.0 1.0 6.0 Marion 8.24 0.044 0.00 2.0 0.05 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	444	Gyptis	7.83	0.0490	0.007	163.08	10.0	1.00	5	13	1.00	500	Selinur	9.30	0.1804	0.009	43.20	1.1	0.10	6	17	1.00
448 Valentine 8.99 0.0714 0.096 79.22 3.2 0.55 1.1 32 0.79 503 Evelyn 9.14 0.085 0.008 8.06 4.776 1.7 0.10 2 6 1.00 506 Marion 8.85 0.045 0.002 10.58 0.04 0.07 1.0 2 6 1.00 506 Marion 8.85 0.045 0.002 12.3 0.0 6 0.0 506 Marion 8.85 0.045 0.002 2.3 1.0 1 451 Patientia 6.65 0.074 0.003 22.49 4.0 0.0 1 1.00 506 Marion 8.80 0.040 2.20 0.037 0.00 8.0 1.00 9.0 1.0 1.0 0.0 1.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 0.0 0.0 0.0 2.0 0.0	445	Edna	9.29	0.0447	0.002	87.17	2.1	0.10	9	25	1.00		Urhixidur	8.90	0.0812	0.005	77.44	2.3	0.10	3	8	1.00
448 Valentine 8.99 0.0714 0.096 79.22 3.2 0.55 1.1 32 0.79 503 Evelyn 9.14 0.085 0.008 8.06 4.776 1.7 0.10 2 6 1.00 506 Marion 8.85 0.045 0.002 10.58 0.04 0.07 1.0 2 6 1.00 506 Marion 8.85 0.045 0.002 12.3 0.0 6 0.0 506 Marion 8.85 0.045 0.002 2.3 1.0 1 451 Patientia 6.65 0.074 0.003 22.49 4.0 0.0 1 1.00 506 Marion 8.80 0.040 2.20 0.037 0.00 8.0 1.00 9.0 1.0 1.0 0.0 1.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 0.0 0.0 0.0 2.0 0.0	446	Aeternitas	8.90	0.2361	0.038	45.40	3.2	0.93	6	17	1.00	502	Sigune	10.77	0.3405	0.105	15.98	2.0	0.83	3	6	1.00
Matalic 10.30 0.0588 0.004 47.76 1.7 0.10 2 6 1.00 504 Cora 9.40 0.3407 0.058 30.02 2.3 1.00 1.4 1.00 1.00 506 Marion 8.85 0.0454 0.002 105.94 2.6 0.37 6 450 Marion 8.85 0.0454 0.002 105.94 2.6 0.37 6 450 Marion 8.85 0.0454 0.002 105.94 2.6 0.37 6 450 Marion 8.85 0.0454 0.002 105.94 2.6 0.37 6 450 Marion 8.85 0.0454 0.002 105.94 2.6 0.37 6 450 Marion 8.85 0.0454 0.002 105.94 2.6 0.37 6 1.00		Valentine	8.99	0.0714	0.006	79.22	3.2	0.55	11	32	0.79		Evelyn	9.14	0.0585	0.008	81.68	4.9	0.69	2	6	1.00
Hamburga 947 0.0393 0.002 85.59 1.9 0.10 7 21 1.00 506 Marion 8.85 0.0454 0.002 105.94 2.6 0.37 6		Natalie	10.30			47.76	1.7	0.10	2	6	1.00		Cora	9.40	0.3407	0.058	30.02	2.3	1.00	14	40	0.93
Brigitta 10.28 0.1229 0.010 33.32 1.3 0.10 4 1.1 1.00 507 Laodica 9.10 0.2112 0.045 43.78 4.0 0.65 1.1 Patientia 6.65 0.0764 0.003 224.96 4.4 0.10 6 17 1.00 508 Princetonia 8.24 0.044 0.002 142.55 2.6 0.10 8 Atsia Tea 10.86 0.1827 0.022 2.093 1.1 0.11 3 6 0.75 509 Iolanda 8.24 0.044 0.002 142.55 2.6 0.10 8 Atsia Bruchsalia 8.86 0.0709 0.005 81.57 3.2 0.10 1 3 1.00 510 Mabella 9.73 0.067 0.007 57.44 2.8 0.92 8 Atsia Bruchsalia 8.86 0.0709 0.009 84.41 50.0 50 0.05 50.005 50.005 81.75 3.2 0.10 8 1.00 511 Davida 6.22 0.0540 0.002 32.06 5.3 0.10 8 Atsia Bruchsalia 8.86 0.1654 0.009 38.75 1.0 0.10 3 8 1.00 511 Davida 6.22 0.0540 0.002 32.06 5.3 0.10 8 Atsia Bruchsalia 8.86 0.1654 0.009 38.75 1.0 0.10 3 8 1.00 512 Taurinensis 10.68 0.1772 0.024 23.09 1.4 0.10 4 Atsia Bruchsalia 8.86 0.1654 0.009 38.75 1.0 0.10 3 8 1.00 513 Centesima 9.75 0.085 0.07 50.15 1.8 0.10 2 Atsia Bruchsalia 10.40 0.1370 0.026 29.32 2.4 0.10 1 2 0.25 514 Armida 9.04 0.0379 0.003 10.17 3.8 0.16 514 0.10 4 Atsia Bruchsalia 10.20 0.2144 0.042 21.78 1.9 0.10 2 2 1.00 515 Athalia 11.23 0.0390 0.005 38.22 2.1 0.10 4 Atsia Bruchsalia 1.20 0.223 0.023 35.63 1.4 0.10 2 2 1.00 516 Amherstia 8.27 0.167 0.005 0.005 38.22 2.1 0.10 4 Atsia Bruchsalia 1.20 0.0503 0.014 1.997 1.5 0.51 7 1.2 0.88 517 Edith 9.35 0.0387 0.002 91.12 2.1 0.10 4 Atsia Bruchsalia 1.20 0.0503 0.014 1.997 1.5 0.51 0.51 1.5 0.51	449	Hamburga	9.47	0.0393	0.002	85.59	1.9	0.10	7	21	1.00		Marion	8.85	0.0454	0.002	105.94	2.6	0.37	6	17	1.00
Fatish Patientia Color		Brigitta	10.28	0.1229	0.010	33.32	1.3	0.10	4	11	1.00	507	Laodica	9.10	0.2112	0.045	43.78	4.0	0.65	11	23	0.92
454. Mathesis 9.20 0.0555 0.009 81.57 3.2 0.10 1 3 1.00 510. Mabella 9.73 0.0687 0.07 57.44 2.8 0.92 8 455. Bruchsalia 8.86 0.0709 0.09 84.41 5.0 0.96 6.17 1.00 511. Davida 6.22 0.0540 0.02 22.09 1.4 0.10 8 456. Abnoba 9.20 0.2335 0.04 0.09 38.75 1.0 0.10 3 8 1.00 513. Centesima 9.75 0.0885 0.007 50.15 1.8 0.10 2 2 1.0 515. Atmida 9.04 0.0379 0.003 10.17 3.8 0.66 5 460. Signe 1.0 0.01 2 2 1.00 515. Atmida 9.75 0.0837 0.00 38.2 2.1 0.10 4 40.2 2.8 1.0	451	-	6.65	0.0764	0.003	224.96	4.4	0.10	6	17	1.00	508	Princetonia	8.24	0.0441	0.002	142.35	2.6	0.10	8	24	1.00
455 Bruchsalia 8.86 0.0709 0.009 84.41 5.0 0.96 6 17 1.00 511 Davida 6.22 0.0540 0.002 32.60 5.3 0.10 8 458 Hercynia 9.63 0.1654 0.009 38.75 1.0 0.10 3 8 1.00 512 Taurinensis 10.68 0.1772 0.024 23.09 1.4 0.10 4 459 Signe 10.44 0.1370 0.026 29.32 2.4 0.10 1 2 0.25 514 Armida 9.04 0.0379 0.003 106.17 3.8 0.46 5 460 Scania 10.60 0.2144 0.042 21.78 1.0 0.10 3 8 0.60 516 Armida 9.04 0.0379 0.003 38.22 2.1 0.10 4 462 Eriphyla 9.23 0.0820 0.014 19.97 1.5	453	Tea	10.86	0.1827	0.022	20.93	1.1	0.11	3	6	0.75	509	Iolanda	8.40	0.2747	0.043	52.99	3.7	0.57	4	12	1.00
455. Bruchsalia 8.86 0.0709 0.009 84.41 5.0 0.96 6 17 1.00 511. Davida 6.22 0.0540 0.002 326.0 53 0.10 8 456. Abnoba 9.20 0.2335 0.048 39.76 3.6 1.00 512. Taurinensis 10.68 0.072 20.99 1.4 0.10 4 458. Hercynia 9.63 0.1654 0.009 38.75 1.0 0.10 3 8 1.00 513. Centesima 9.75 0.0885 0.007 50.15 1.8 1.0 0.10 2 2 1.00 513. Centesima 9.70 0.033 0.61 1.9 0.10 2 2 1.00 515. Athalia 11.23 0.0399 0.003 38.22 2.1 0.10 4 4 4 4 2.0 0.0433 3.0 0.02 31.2 0.10 4 4 4 4<	454	Mathesis	9.20	0.0555	0.005	81.57	3.2	0.10	1	3	1.00	510	Mabella	9.73	0.0687	0.007	57.44	2.8	0.92	8	23	1.00
458. Hercynia 9.63 0.1654 0.009 38.75 1.0 0.10 3 8 1.00 513. Centesima 9.75 0.0885 0.007 50.15 1.8 0.10 2 459. Signe 10.44 0.1370 0.026 29.32 2.4 0.10 1 2 0.25 514 Armida 9.04 0.0379 0.003 106.17 3.8 0.46 5 460. Scania 10.60 0.2144 0.042 21.78 1.9 0.10 3 8 0.60 515 Athalia 11.23 0.030 35.63 1.4 0.10 3 8 0.60 516 Amherstia 8.27 0.1627 0.008 73.10 1.7 0.10 4 464 Megaira 9.52 0.0502 0.009 74.04 5.9 1.00 6 8 1.00 518 Halawe 11.00 0.2880 0.079 15.63 1.8 9.93	455	Bruchsalia	8.86	0.0709	0.009	84.41	5.0	0.96	6	17	1.00		Davida	6.22	0.0540	0.002	326.06	5.3	0.10	8	22	1.00
459	456	Abnoba	9.20	0.2335	0.048	39.76	3.6	1.00	7	20	1.00	512	Taurinensis	10.68	0.1772	0.024	23.09	1.4	0.10	4	5	1.00
460 Scania 10.60 0.2144 0.042 21.78 1.9 0.10 2 2 1.00 515 Athalia 11.23 0.0390 0.005 38.22 2.1 0.10 4 462 Eriphyla 9.23 0.2829 0.023 35.63 1.4 0.10 3 8 0.60 516 Amherstia 8.27 0.1627 0.008 73.10 1.7 0.10 3 463 Lola 11.82 0.0829 0.014 19.97 1.5 0.51 7 12 0.88 517 Edith 9.35 0.0387 0.002 10.10 4 464 Megaira 9.52 0.0502 0.004 73.34 2.8 0.85 6 17 1.00 519 Sylvania 9.14 0.1676 0.017 48.25 2.3 0.99 2 465 Alckto 9.70 0.0433 0.01 41.96 3.2 0.75 8 20 0.89<	458	Hercynia	9.63	0.1654	0.009	38.75	1.0	0.10	3	8	1.00	513	Centesima	9.75	0.0885	0.007	50.15	1.8	0.10	2	6	1.00
460	459	Signe	10.44	0.1370	0.026	29.32	2.4	0.10	1	2	0.25	514	Armida	9.04	0.0379	0.003	106.17	3.8	0.46	5	15	1.00
Halawe	460		10.60	0.2144	0.042	21.78	1.9	0.10	2	2	1.00	515	Athalia		0.0390	0.005	38.22	2.1	0.10	4	8	1.00
464 Megaira 9.52 0.0502 0.009 74.04 5.9 1.00 6 8 1.00 518 Halawe 11.00 0.2880 0.079 15.63 1.8 0.93 5 465 Alekto 9.70 0.0433 0.004 73.34 2.8 0.85 6 17 1.00 519 Sylvania 9.14 0.1676 0.017 48.25 2.3 0.99 2 466 Tisiphone 8.30 0.0634 0.002 115.53 2.2 0.10 11 28 1.00 520 Franziska 10.61 0.126 0.011 28.67 1.2 0.10 3 467 Laura 10.50 0.0633 0.01 4.96 3.2 0.75 8 20 0.89 521 Brixia 8.31 0.062 0.002 115.65 2.0 0.10 12 469 Argentina 8.62 0.0399 0.004 125.57 5.6 0.90	462	Eriphyla	9.23	0.2829	0.023	35.63	1.4	0.10	3	8	0.60	516	Amherstia	8.27	0.1627	0.008	73.10	1.7	0.10	3	8	1.00
464 Megaira 9.52 0.0502 0.009 74.04 5.9 1.00 6 8 1.00 518 Halawe 11.00 0.2880 0.079 15.63 1.8 0.93 5 465 Alekto 9.70 0.0433 0.004 73.34 2.8 0.85 6 17 1.00 519 Sylvania 9.14 0.1676 0.017 48.25 2.3 0.99 2 466 Tisiphone 8.30 0.0634 0.001 115.53 2.2 0.10 11 28 1.00 520 Franziska 10.61 0.1226 0.011 28.67 1.2 0.10 2 6 1.00 520 Franziska 10.61 0.1226 0.011 28.67 1.2 0.10 2 6 1.00 522 Helga 9.12 0.038 0.003 10.12 3.5 0.10 2 6 1.00 522 Helga 9.12 0.02 31.89 1.5 <t< td=""><td>463</td><td>Lola</td><td>11.82</td><td>0.0829</td><td>0.014</td><td>19.97</td><td>1.5</td><td>0.51</td><td>7</td><td>12</td><td>0.88</td><td>517</td><td>Edith</td><td>9.35</td><td>0.0387</td><td>0.002</td><td>91.12</td><td>2.1</td><td>0.10</td><td>4</td><td>10</td><td>1.00</td></t<>	463	Lola	11.82	0.0829	0.014	19.97	1.5	0.51	7	12	0.88	517	Edith	9.35	0.0387	0.002	91.12	2.1	0.10	4	10	1.00
465 Alekto 9.70 0.0433 0.004 73.34 2.8 0.85 6 17 1.00 519 Sylvania 9.14 0.1676 0.017 48.25 2.3 0.99 2 466 Tisiphone 8.30 0.0634 0.002 115.53 2.2 0.10 11 28 1.00 520 Franziska 10.61 0.1226 0.011 28.67 1.2 0.10 3 467 Laura 10.50 0.0633 0.011 41.96 3.2 0.75 8 20 0.89 521 Brixia 8.31 0.0626 0.002 115.65 2.0 0.10 12 468 Lina 9.83 0.0430 0.003 69.34 2.5 0.10 2 6 1.00 522 Helga 9.12 0.0388 0.003 101.22 3.5 0.10 5 469 Argentina 8.62 0.0399 0.004 125.79 0.10 10	464	Megaira	9.52	0.0502	0.009	74.04	5.9	1.00	6	8	1.00		Halawe	11.00	0.2880	0.079	15.63	1.8	0.93	5	8	1.00
467 Laura 10.50 0.0633 0.011 41.96 3.2 0.75 8 20 0.89 521 Brixia 8.31 0.0626 0.002 115.65 2.0 0.10 12 468 Lina 9.83 0.0430 0.003 69.34 2.5 0.10 2 6 1.00 522 Helga 9.12 0.0388 0.003 101.22 3.5 0.10 5 469 Argentina 8.62 0.0399 0.004 125.57 5.6 0.90 6 17 1.00 523 Ada 9.60 0.2512 0.026 31.89 1.5 0.10 4 470 Kilia 10.07 0.2379 0.014 26.39 0.7 0.10 10 28 1.00 524 Fidelio 9.83 0.0402 0.003 71.73 2.7 0.10 1 471 Papagena 6.73 0.1994 0.016 134.19 5.2 0.99 4<	465	Alekto	9.70	0.0433	0.004	73.34	2.8	0.85	6	17	1.00	519	Sylvania	9.14	0.1676	0.017	48.25	2.3	0.99	2	5	1.00
468	466	Tisiphone	8.30	0.0634	0.002	115.53	2.2	0.10	11	28	1.00	520	Franziska	10.61	0.1226	0.011	28.67	1.2	0.10	3	8	1.00
468 Lina 9.83 0.0430 0.003 69.34 2.5 0.10 2 6 1.00 522 Helga 9.12 0.0388 0.003 101.22 3.5 0.10 5 469 Argentina 8.62 0.0399 0.004 125.57 5.6 0.90 6 17 1.00 523 Ada 9.60 0.2512 0.026 31.89 1.5 0.10 4 470 Kilia 10.07 0.2379 0.014 26.39 0.7 0.10 10 28 1.00 524 Fidelio 9.83 0.0402 0.003 71.73 2.7 0.10 1 471 Papagena 6.73 0.1994 0.016 134.19 5.2 0.99 4 11 1.00 526 Jena 10.17 0.0877 0.009 41.49 2.0 0.10 5 472 Roma 8.92 0.2138 0.034 47.27 3.4 1.00 6	467	Laura	10.50	0.0633	0.011	41.96	3.2	0.75	8	20	0.89	521	Brixia	8.31	0.0626	0.002	115.65	2.0	0.10	12	36	1.00
470	468	Lina	9.83	0.0430	0.003	69.34	2.5	0.10	2	6	1.00		Helga	9.12	0.0388	0.003	101.22	3.5	0.10	5	12	0.71
471	469	Argentina	8.62	0.0399	0.004	125.57	5.6	0.90	6	17	1.00	523	Ada	9.60	0.2512	0.026	31.89	1.5	0.10	4	7	0.67
471	470	Kilia	10.07	0.2379	0.014	26.39	0.7	0.10	10	28	1.00	524	Fidelio	9.83	0.0402	0.003	71.73	2.7	0.10	1	3	1.00
472	471	Papagena	6.73	0.1994	0.016	134.19	5.2	0.99	4	11	1.00	I .	Jena	10.17	0.0877	0.009	41.49	2.0	0.10	5	10	0.83
476			8.92	0.2138	0.034	47.27	3.4	1.00	6	18	0.86	527	Euryanthe		0.0576	0.004	52.91	1.6	0.10	2	6	1.00
476	474	Prudentia	10.60	0.0720	0.016	37.58	3.5	1.00	6	16	1.00	528	Rezia	9.14	0.0561	0.004	83.42	3.0	0.10	2	6	1.00
477 Italia 10.25 0.2769 0.028 22.51 1.1 0.95 6 15 0.86 530 Turandot 9.29 0.0472 0.003 84.85 2.6 0.10 3 478 Tergeste 7.98 0.1798 0.007 79.46 1.5 0.10 7 21 1.00 531 Zerlina 11.80 0.1460 0.028 15.19 1.3 0.27 4 479 Caprera 9.60 0.0480 0.004 72.98 2.9 0.55 5 14 1.00 532 Herculina 5.81 0.1694 0.007 222.39 4.2 0.10 6 480 Hansa 8.38 0.2485 0.024 56.22 2.5 0.54 6 16 1.00 533 Sara 9.67 0.2479 0.028 31.08 1.6 0.10 5 482 Petrina 8.84 0.2372 0.032 46.57 2.8 0.10 2 6 1.00 534 Nassovia 9.77								0.10	4	10				10.06	0.1632	0.017		1.5	0.10		9	0.67
478 Tergeste 7.98 0.1798 0.007 79.46 1.5 0.10 7 21 1.00 531 Zerlina 11.80 0.1460 0.028 15.19 1.3 0.27 4 479 Caprera 9.60 0.0480 0.004 72.98 2.9 0.55 5 14 1.00 532 Herculina 5.81 0.1694 0.007 222.39 4.2 0.10 6 480 Hansa 8.38 0.2485 0.024 56.22 2.5 0.54 6 16 1.00 533 Sara 9.67 0.2479 0.028 31.08 1.6 0.10 5 482 Petrina 8.84 0.2372 0.032 46.57 2.8 0.10 2 6 1.00 534 Nassovia 9.77 0.1991 0.018 33.12 1.4 0.10 7		-							6	15	0.86	I .					84.85				9	1.00
479 Caprera 9.60 0.0480 0.004 72.98 2.9 0.55 5 14 1.00 532 Herculina 5.81 0.1694 0.007 222.39 4.2 0.10 6 480 Hansa 8.38 0.2485 0.024 56.22 2.5 0.54 6 16 1.00 533 Sara 9.67 0.2479 0.028 31.08 1.6 0.10 5 482 Petrina 8.84 0.2372 0.032 46.57 2.8 0.10 2 6 1.00 534 Nassovia 9.77 0.1991 0.018 33.12 1.4 0.10 7			7.98	0.1798	0.007	79.46	1.5	0.10	7	21	1.00		Zerlina	11.80	0.1460	0.028	15.19	1.3	0.27	4	4	0.67
480 Hansa 8.38 0.2485 0.024 56.22 2.5 0.54 6 16 1.00 533 Sara 9.67 0.2479 0.028 31.08 1.6 0.10 5 482 Petrina 8.84 0.2372 0.032 46.57 2.8 0.10 2 6 1.00 534 Nassovia 9.77 0.1991 0.018 33.12 1.4 0.10 7												I .									16	1.00
482 Petrina 8.84 0.2372 0.032 46.57 2.8 0.10 2 6 1.00 534 Nassovia 9.77 0.1991 0.018 33.12 1.4 0.10 7																					9	1.00
																					12	0.88
465 Seppina 8.55 U.1/U9 U.014 69.5/ 2.8 U.25 10 29 1.00 555 Montague 9.48 U.0514 U.00/ /4.49 4.6 U.9/ 8	483	Seppina	8.33	0.1709	0.014	69.37	2.8	0.25	10	29	1.00	535	Montague	9.48	0.0514	0.007	74.49	4.6	0.97	8	24	1.00
484 Pittsburghia 9.86 0.2012 0.030 31.61 2.1 0.10 1 2 0.50 536 Merapi 8.08 0.0452 0.006 151.42 9.0 0.76 4												I .	-								9	0.67

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
537	Pauly	8.80	0.3489	0.046	39.11	2.3	0.10	3	7	0.75	591	Irmgard	10.64	0.0364	0.002	51.86	1.3	0.10	8	23	1.00
538	Friederike	9.30	0.0641	0.004	72.49	2.3	0.96	2	5	1.00	593	Titania	9.28	0.0604	0.009	75.32	5.0	0.96	5	13	1.00
539	Pamina	9.70	0.0800	0.011	53.97	3.4	0.88	5	14	1.00	594	Mireille	12.01	0.3255	0.071	9.23	0.9	0.62	12	26	0.80
540	Rosamunde	10.76	0.2426	0.088	19.02	2.7	1.00	5	8	0.42	595	Polyxena	8.00	0.0937	0.004	109.07	2.2	0.10	5	13	0.83
541	Deborah	10.10	0.0496	0.005	57.01	2.9	0.98	4	11	1.00	596	Scheila	8.90	0.0379	0.002	113.34	2.3	0.10	7	21	1.00
542	Susanna	9.36	0.1843	0.009	41.57	1.0	0.10	5	15	1.00	597	Bandusia	9.40	0.2361	0.053	36.06	3.5	0.96	6	16	1.00
543	Charlotte	9.40	0.2599	0.044	34.37	2.6	0.10	3	3	0.60	598	Octavia	9.53	0.0521	0.006	72.33	3.9	0.74	2	6	1.00
544	Jetta	9.90	0.3208	0.108	24.58	3.3	1.00	3	8	1.00	599	Luisa	8.71	0.1377	0.008	64.87	1.9	0.10	5	13	1.00
545	Messalina	8.84	0.0415	0.003	111.29	4.3	1.00	4	11	1.00	600	Musa	10.18	0.2415	0.022	24.90	1.1	0.10	5	11	0.83
	Herodias	9.70	0.0534	0.007	66.02	3.8	0.99	11	32	1.00	601	Nerthus	9.65	0.0454	0.003	73.32	2.4	0.77	9	26	1.00
	Praxedis	9.52	0.0566	0.004	69.68	2.2	0.10	2	6	1.00	602	Marianna	8.31	0.0539	0.002	124.72	2.2	0.10	6	18	1.00
	Jessonda	11.01	0.1971		18.81	0.7	0.10	8	20	1.00	603	Timandra	12.10	0.1354	0.019	13.73	0.9	0.10	2	4	0.33
	Senta	9.37	0.2215		37.75	3.8	0.94	3	9	0.75	604	Tekmessa	9.20	0.0870	0.012	65.16	4.1	0.97	4	10	1.00
	Ortrud	9.57	0.0426		78.46	4.1	1.00	14	7	0.88	605	Juvisia	9.90	0.0397	0.006	69.86	4.5	0.98	7	20	1.00
	Sigelinde	9.40	0.0510		77.56	2.7	0.10	2	6	1.00	606	Brangane	10.38	0.0986	0.013	35.54	2.2	0.30	4	11	1.00
	Peraga	8.97	0.0496		95.87	4.1	1.00	14	37	0.88	607	Jenny	9.50	0.0711	0.005	62.78	2.1	0.54	4	11	1.00
	Norma	10.60	0.0632		40.11	1.5	0.10	2	6	1.00	608	Adolfine	10.60	0.1603	0.034	25.18	2.3	0.10	2	2	0.40
	Phyllis	9.56	0.1853		37.81	1.1	0.10	4	11	1.00	609	Fulvia	10.00	0.0602	0.007	54.17	2.8	0.10	1	3	1.00
	Carmen	9.09	0.1161		59.31	1.8	0.10	2	6	1.00	611	Valeria	9.19	0.1148	0.006	56.97	1.4	0.10	3	9	1.00
	Nanon	9.36	0.0500		79.82	2.7	0.10	2	5	1.00	612	Veronika	11.20	0.0411	0.003	37.74	1.2	0.10	8	21	1.00
	Delila	10.60	0.0733		37.24	1.3	0.10	8	23	1.00	613	Ginevra	9.67	0.0374	0.002	80.04	2.0	0.10	4	10	1.00
	Ingwelde	11.21	0.0966		24.50	1.6	0.10	4	7	1.00	614	Pia	11.00	0.1056	0.013	25.81	1.5	0.10	3	5	1.00
	Salome		0.1967		30.67	1.8	0.11	4	7	0.80	615	Roswitha	10.36	0.0553	0.003	47.89	1.2	0.10	3	9	0.75
	Suleika	8.50	0.2477		53.29	1.1	0.11	8	24	1.00	616	Elly	10.68	0.2866	0.053	18.15	1.5	0.10	2	2	1.00
	Dudu		0.0484		49.57	4.9	1.00	10	29	1.00	617	Patroclus	8.19	0.2300	0.003	140.92	4.7	0.10	4	8	1.00
	Marbachia	10.43	0.1033		27.57	0.9	0.10	5	13	1.00	618	Elfriede	8.26	0.0606	0.005	120.29	5.0	0.10	1	3	1.00
	Stereoskopia	8.03	0.1033		168.16	6.3	0.10	1	3	1.00	621	Werdandi	10.49	0.1527	0.003	27.15	1.5	0.10	4	9	0.80
	Eleutheria	9.16	0.0439		93.41	2.2	0.10	6	15	0.75	623	Chimaera	10.43	0.0372	0.002	44.09	1.0	0.10	3	8	1.00
	Cheruskia	9.10	0.0535		86.99	1.8	0.10	6	17	1.00	625	Xenia	10.00	0.0372	0.002	28.37	1.9	0.10	1	2	0.50
	Misa		0.0333		72.95	1.6	0.10	5	15	1.00	626	Notburga	9.00	0.2173	0.002	100.73	2.0	0.10	8	23	1.00
	Kythera	8.81	0.0500		102.81	2.8	0.10	2	6	1.00	627	Charis	9.95	0.0786	0.002	48.51	2.6	0.38	10	28	1.00
	Rebekka	10.94			29.63	0.9	0.10	2	6	1.00	628	Christine	9.25	0.0786	0.005	49.72	2.4	0.56	10	28	1.00
	Recha	9.60	0.1109		48.00	3.8	0.10	6	16	1.00	630	Euphemia	11.00	0.1420	0.013	17.21	0.9	0.10	4	6	0.80
	Reginhild	12.30	0.3819		7.46	0.5	0.38	2	4	0.40		Philippina	8.70	0.2373	0.027	57.65	1.2	0.10	4	11	1.00
	Renate	10.90	0.1706		21.26	1.5	0.10	1	3	0.40	631	Zelima	9.73	0.1700	0.008	34.37	1.4	0.10	3	8	1.00
	Emanuela	9.40	0.1700		84.68	4.4	0.10	5	15	0.33	634	Ute	9.73	0.1918	0.017	69.44	4.1	0.10	<i>7</i>	21	1.00
								2													
	Rhea	9.50 9.20	0.1792 0.0769		39.53 69.29	2.3 2.1	0.10 0.10	2	5 6	1.00 1.00	635	Vundtia	9.01 9.50	0.0456 0.0507	0.002	98.24 74.29	2.5 6.7	0.10 1.00	4 9	11 26	1.00 1.00
	Happelia										636	Erika									
	Sidonia	7.85	0.1748		85.57	2.2	0.25	8	24	1.00	638	Moira	9.80	0.0496	0.002	65.44	1.4	0.10	6	16	1.00
	Selene	9.60	0.1218		45.79	3.2	0.75	6	14	1.00	639	Latona	8.20	0.1826	0.009	71.25	1.7	0.10	5	15	1.00
	Tauntonia	9.40	0.0758		63.66	2.1	0.20	9	26	1.00	640	Brambilla	8.99	0.0686	0.004	80.79	2.3	0.10	4	11	1.00
	Olympia		0.2128		43.41	2.6	0.40	10	25	1.00	642	Clara	9.98	0.1617	0.015	33.36	1.5	0.10	5	14	1.00
	Klotilde	9.01	0.0660		81.64	2.8	0.21	8	23	1.00	643	Scheherezade	9.72	0.0446	0.004	71.57	2.8	0.44	8	23	1.00
	Semiramis	8.71	0.1987		54.01	1.4	0.10	4	11	1.00	644	Cosima	11.13	0.1572	0.028	19.92	1.5	0.10	1	2	0.50
	Bilkis	10.40	0.0362		58.09	1.3	0.10	6	15	1.00	645	Agrippina	9.94	0.2381	0.025	28.00	1.3	0.10	6	17	1.00
	Thekla	9.21	0.0539		82.37	1.7	0.10	4	11	1.00	648	Pippa	9.68	0.0509	0.002	68.27	1.6	0.10	4	12	1.00
	Achilles	8.67	0.0328		135.47	4.1	0.10	7	15	1.00	651	Antikleia	10.01	0.1603	0.024	33.04	2.2	0.10	2	3	1.00
	Croatia	9.14	0.0509	0.003	87.54	2.5	0.10	4	10	1.00	652	Jubilatrix	11.40	0.1710	0.038	16.87	1.6	0.10	2	2	0.29
590	Tomyris	9.90	0.1218	0.009	39.87	1.4	0.10	4	8	1.00	653	Berenike	9.18	0.2444	0.034	39.22	2.4	0.36	8	24	1.00

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
654	Zelinda	8.52	0.0425	0.003	127.40	3.9	0.99	5	14	1.00	713	Luscinia	8.97	0.0410	0.003	105.52	3.1	0.10	2	6	1.00
655	Briseis	9.60	0.2693	0.036	30.79	1.9	0.10	3	4	0.38	714	Ulula	9.07	0.2711	0.037	39.18	2.4	0.70	4	12	1.00
656	Beagle	10.00	0.0625	0.015	53.17	5.5	0.92	7	18	1.00	715	Transvaalia	9.80	0.2606	0.048	28.55	2.3	0.65	7	14	0.88
657	Gunlod	10.93	0.0415	0.003	42.52	1.4	0.10	3	8	1.00	716	Berkeley	10.84	0.1801	0.028	21.28	1.5	0.10	2	3	1.00
658	Asteria	10.54	0.2040	0.024	22.95	1.2	0.10	4	5	0.80	717	Wisibada	11.10	0.0666	0.026	31.04	4.7	0.97	9	20	0.90
659	Nestor	8.99	0.0378	0.003	108.87	4.5	0.19	6	16	1.00	718	Erida	9.80	0.0399	0.006	72.94	4.9	1.00	7	20	1.00
660	Crescentia	9.14	0.2186	0.011	42.24	1.0	0.10	4	9	1.00	720	Bohlinia	9.71	0.2029	0.018	33.73	1.4	0.10	6	17	0.86
661	Cloelia	9.63	0.1076	0.007	48.05	1.5	0.10	7	20	1.00	721	Tabora	9.26	0.0604	0.004	76.07	2.5	0.10	5	9	1.00
662	Newtonia	10.50	0.1999	0.028	23.62	1.5	0.10	2	3	1.00	723	Hammonia	9.70	0.1829	0.015	35.68	1.4	0.10	4	9	1.00
663	Gerlinde	9.21	0.0359	0.002	100.88	3.0	0.68	4	9	1.00	725	Amanda	11.81	0.0721	0.017	21.51	2.2	0.26	3	3	1.00
664	Judith	9.97	0.0344	0.003	72.68	2.8	0.10	2	6	1.00	726	Joella	10.57	0.0539	0.010	44.02	3.5	0.59	4	12	1.00
665	Sabine	8.10	0.3895	0.039	51.09	2.4	0.10	4	10	0.80	727	Nipponia	9.62	0.2423	0.025	32.17	1.5	0.10	7	16	0.88
666	Desdemona	10.90	0.1055	0.008	27.04	1.0	0.10	6	17	0.86	729	Watsonia	9.31	0.1381	0.009	49.15	1.5	0.10	6	17	1.00
667	Denise	8.90	0.0737	0.003	81.28	1.7	0.10	6	15	1.00	731	Sorga	9.62	0.1436	0.015	41.78	2.0	0.10	4	10	0.80
668	Dora	11.80	0.0467	0.003	26.84	0.7	0.10	3	9	1.00	732	Tjilaki	10.70	0.0655	0.006	37.61	1.6	0.10	1	3	1.00
669	Kypria	10.24	0.1405	0.012	31.75	1.3	0.98	3	4	1.00	733	Mocia	9.05	0.0539	0.009	88.71	6.9	0.92	5	13	1.00
670	Ottegebe	9.80	0.1830		34.07	1.3	0.41	8	20	1.00	734	Benda	9.70	0.0464	0.004	70.82	2.9	0.10	4	10	0.67
671	Carnegia	10.00	0.0512		58.72	5.6	0.88	6	17	1.00	735	Marghanna	9.55	0.0484	0.002	74.32	1.6	0.10	7	21	0.88
673	Edda	10.20	0.1044		37.53	1.0	0.10	7	20	0.88	736	Harvard	11.64	0.1406	0.011	16.66	0.6	0.10	9	19	0.82
674	Rachele	7.42	0.2007		97.35	4.3	0.95	9	26	1.00	737	Arequipa	8.81	0.2723	0.018	44.07	1.4	0.10	2	5	1.00
676	Melitta	9.30	0.0526	0.002	79.99	1.4	0.10	8	23	1.00	738	Alagasta	10.13	0.0398	0.002	62.79	1.2	0.10	8	23	0.80
677	Aaltje	9.70	0.2794		28.87	1.7	0.10	3	5	1.00	739	Mandeville	8.50	0.0608	0.003	107.53	2.5	0.10	4	12	1.00
678	Fredegundis	9.02	0.2494		41.80	2.0	1.00	5	14	1.00	740	Cantabia	8.97	0.0552	0.002	90.90	1.7	0.10	10	28	1.00
679	Pax	9.01	0.1660		51.47	2.4	0.10	1	3	0.33	741	Botolphia	10.40	0.1391	0.014	29.64	1.3	0.10	3	9	1.00
680	Genoveva	9.31	0.0474		83.92	1.4	0.10	9	26	0.90	742	Edisona	9.55	0.1286	0.022	45.60	3.5	0.76	8	23	1.00
683	Lanzia	8.10	0.1474		83.04	22.2	1.00	3	8	1.00	743	Eugenisis	10.00	0.0625	0.003	53.17	1.1	0.10	6	18	1.00
685	Hermia	11.80	0.2807		10.95	0.9	0.10	1	2	0.50	744	Aguntina	10.21	0.0423	0.012	58.69	7.0	1.00	9	25	1.00
686	Gersuind	9.67	0.1416		41.13	4.5	0.98	6	17	1.00	746	Marlu	10.00	0.0363	0.005	69.75	4.0	0.44	5	14	1.00
688	Melanie	10.59	0.0599		41.40	3.1	0.65	4	12	1.00	747	Winchester	7.69	0.0503	0.002	171.71	3.1	0.10	9	24	1.00
689	Zita		0.1183		14.36	0.6	0.10	4	10	0.80	748	Simeisa	9.01	0.0415	0.002	102.97	2.2	0.10	4	12	1.00
690	Wratislavia	8.02	0.0604		134.65	3.8	0.10	2	6	1.00	750	Oskar	12.13	0.0587	0.009	20.57	1.4	0.10	2	3	0.67
691	Lehigh	9.30	0.0438		87.68	1.7	0.10	8	24	1.00	751	Faina	8.66	0.0497	0.004	110.50	4.3	0.99	7	16	1.00
692	Hippodamia	9.18	0.1785		45.90	1.8	0.36	5	15	1.00	752	Sulamitis	10.10	0.0409	0.002	62.77	1.4	0.10	6	16	1.00
693	Zerbinetta	9.38	0.0683		67.66	1.3	0.10	7	19	1.00	753	Tiflis	10.21	0.2616	0.046	23.59	1.8	0.10	1	2	0.25
694	Ekard	9.17	0.0460		90.78	4.0	0.73	9	24	1.00	754	Malabar	9.19	0.0485	0.007	87.62	5.6	0.98	10	30	1.00
695	Bella	9.30	0.1450		48.18	1.5	0.24	4	12	1.00	755	Quintilla	9.81	0.1621	0.021	36.04	2.1	0.10	3	7	0.75
696	Leonora	9.00	0.0773		75.76	2.0	0.14	3	9	1.00	756	Lilliana	9.60	0.0500	0.002	71.50	1.4	0.10	5	15	1.00
697	Galilea	9.63	0.0387		80.14	1.7	0.10	4	11	1.00	757	Portlandia	10.20	0.1427	0.014	32.09	1.4	0.22	3	9	1.00
698	Ernestina	10.70	0.1269		27.03	1.2	0.10	4	10	1.00	758	Mancunia	8.16	0.1317	0.023	85.48	6.7	0.95	5	13	1.00
700	Auravictrix	11.20			15.44	0.9	0.27	6	15	0.67	759	Vinifera	10.50	0.0548	0.007	45.11	2.6	0.10	2	5	1.00
701	Oriola	9.25	0.2184		40.18	2.1	0.10	4	9	0.80	760	Massinga	7.96	0.2276	0.012	71.29	1.9	0.10	3	9	0.75
702	Alauda	7.25	0.0587		194.73	3.2	0.10	9	26	1.00	762	Pulcova	8.28	0.0458	0.002	137.08	3.2	0.10	4	12	1.00
704	Interamnia	5.94	0.0742		316.62	5.2	0.10	10	28	1.00	764	Gedania	9.48	0.0430	0.002	58.28	1.4	0.10	4	12	1.00
705	Erminia	8.39	0.0432		134.22	2.3	0.10	9	25	1.00	766	Moguntia	10.15	0.0570	0.004	31.28	2.3	0.51	4	9	0.80
706	Hirundo	10.20	0.0432		29.22	1.5	0.10	3	9	1.00	767	Bondia	10.13	0.1024	0.025	41.54	2.7	0.23	4	7	0.80
708	Raphaela	10.20	0.1721		21.43	1.5	0.10	2	3	0.67	769	Tatjana	8.90	0.1024	0.013	106.44	2.6	0.23	3	8	1.00
709		9.04	0.2193		96.56	3.4	0.10	4	10	0.67	770	Bali	11.11	0.0429	0.002	16.00	1.1	0.10	1	3	1.00
	Fringilla Gertrud	11.10	0.0439	0.003	26.81	1.5	0.44	5	9	0.87		Libera	10.49	0.2483	0.037	29.38	1.1	0.10	2	6	1.00
710						2.2					771								9	27	
712	Boliviana	8.32	0.0510	0.002	127.57	2.2	0.10	14	41	0.93	772	Tanete	8.33	0.0594	0.004	117.66	4.0	0.62	9	21	1.00

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
773	Irmintraud	9.10	0.0440	0.002	95.88	1.8	0.10	6	18	1.00	845	Naema	9.70	0.0788	0.009	54.36	2.8	0.80	6	17	1.00
774	Armor	8.60	0.2529	0.020	50.37	1.9	0.10	2	6	1.00	846	Lipperta	10.26	0.0506	0.003	52.41	1.4	0.10	3	9	1.00
775	Lumiere	10.40	0.1083	0.011	33.59	1.6	0.10	5	7	0.83	847	Agnia	10.29	0.1720	0.022	28.04	1.7	0.10	5	7	1.00
776	Berbericia	7.68	0.0655	0.004	151.17	4.0	0.10	2	5	1.00	849	Ara	8.10	0.2660	0.031	61.82	3.3	0.10	2	4	1.00
777	Gutemberga	9.80	0.0494	0.003	65.57	1.9	0.10	5	15	1.00	850	Altona	9.60	0.0390	0.002	80.90	1.8	0.10	4	11	1.00
778	Theobalda	9.66	0.0589	0.004	64.06	1.9	0.10	7	19	1.00	851	Zeissia	11.62	0.2646	0.050	12.26	1.0	0.10	1	2	0.09
779	Nina	8.30	0.1440	0.016	76.62	4.0	0.76	6	17	0.75	852	Wladilena	9.90	0.3660	0.047	23.01	1.4	0.10	2	3	1.00
780	Armenia	9.00	0.0498		94.40	1.7	0.10	6	17	1.00	853	Nansenia	11.69	0.0511	0.003	27.00	0.8	0.10	6	16	1.00
781	Kartvelia	9.40	0.0704	0.014	66.02	5.6	0.98	5	13	1.00	857	Glasenappia	11.32	0.2318	0.024	15.03	0.7	0.10	6	7	0.55
782	Montefiore	11.58	0.2919	0.035	11.88	0.6	0.10	3	5	1.00	858	El Djezair	10.00	0.3197	0.085	23.51	2.6	0.49	3	4	0.50
783	Nora	10.60	0.0635	0.003	40.02	0.8	0.10	5	14	1.00	859	Bouzareah	9.60	0.0467	0.003	73.97	2.0	0.10	6	17	1.00
	Pickeringia	9.00	0.0555		89.42	3.4	0.10	2	5	1.00	860	Ursina	10.26	0.1618	0.020	29.32	1.6	0.10	2	5	1.00
	Zwetana	9.45	0.1245		48.54	1.8	0.10	1	3	1.00	861	Aida	9.60	0.0571	0.007	66.85	3.7	0.83	14	39	1.00
786	Bredichina	8.65	0.0730		91.60	6.2	0.95	6	16	1.00	862	Franzia	10.60	0.1368	0.015	27.26	1.4	0.10	5	7	1.00
787	Moskva	9.90	0.2559		27.51	2.8	0.79	5	15	1.00	863	Benkoela	9.02	0.5952	0.070	27.06	1.5	0.10	3	3	1.00
788	Hohensteina	8.30			103.68	3.4	0.10	2	5	1.00	865	Zubaida	11.90	0.0972	0.014	17.77	1.1	0.10	3	4	0.75
790	Pretoria	8.00	0.0384		170.37	2.6	0.10	9	24	0.90	866	Fatme	9.20	0.0473	0.002	88.31	2.0	0.87	4	11	1.00
791	Ani	9.25	0.0329		103.52	1.9	0.10	6	17	0.86	867	Kovacia	11.30	0.0923	0.019	24.04	2.2	0.10	2	2	0.40
	Metcalfia	10.33	0.0354		60.73	1.4	0.11	5	15	1.00	868	Lova	10.22	0.0524	0.003	52.47	1.5	0.10	4	11	1.00
	Arizona	10.26	0.1659	0.002	28.95	0.9	0.10	3	8	1.00	869	Mellena	12.40	0.0565	0.005	18.52	0.8	0.10	5	11	1.00
795	Fini	9.70	0.0418		74.66	1.4	0.10	6	17	1.00	872	Holda	9.91	0.0303	0.041	30.04	2.5	0.44	3	9	1.00
796	Sarita	9.12	0.1966		44.96	1.5	0.10	2	6	1.00	873	Mechthild	11.49	0.0531	0.008	29.04	1.9	0.10	2	3	1.00
798	Ruth	9.44	0.1587		43.19	2.9	0.10	13	37	0.87	874	Rotraut	10.00	0.0554	0.003	56.47	5.5	0.10	5	15	1.00
799	Gudula	10.30	0.0704	0.024	43.63	2.5	0.79	9	25	1.00	875	Nymphe	11.50	0.0334	0.013	13.75	0.6	0.10	2	4	1.00
801	Helwerthia	11.55	0.0704		33.23	2.5	0.79	9	24	0.90	876	Scott	10.89	0.2346	0.022	21.88	2.0	0.10	2	2	0.33
803	Picka	9.60	0.0384	0.007	46.50	2.2	0.00	5	14	1.00	877	Walkure	10.39	0.1626	0.005	38.41	1.4	0.10	2	6	1.00
	Hispania	7.84	0.0520		157.58	5.8	0.10	6	16	0.86	882	Swetlana	10.71	0.0588	0.003	43.55	2.2	0.10	3	5	0.50
805	Hormuthia	9.82	0.0320		66.94	2.9	0.10	4	10	1.00	885	Ulrike	10.70	0.0388	0.034	33.43	5.3	0.10	2	6	1.00
	Gyldenia	10.60	0.0403		62.63	1.3	0.10	5	14	1.00	886	Washingtonia	8.70	0.0830	0.034	90.56	12.6	1.00	13	37	1.00
806 807	Ceraskia	10.56			26.24	1.3	0.10	5	10	1.00	888	_	9.51	0.0713	0.023	44.65	1.4	0.10	8	23	1.00
		9.70	0.1332		32.49		0.10	4	12	1.00		Parysatis	10.78		0.009	27.33	1.4	0.10		3	1.00
808	Merxia					2.3					890	Waltraut		0.1153					2		
813	Baumeia	11.70	0.2027		13.50	1.2	0.10	2	2	0.40	891	Gunhild	9.90	0.0718	0.018	51.95	5.6	1.00	3	9	1.00
814	Tauris	8.74	0.0470		109.56	3.1	0.33	2	5	1.00	892	Seeligeria	9.50	0.0485	0.002	76.02	1.6	0.10	6	17	1.00
816	Juliana	10.50	0.0311	0.001	59.85	1.2	0.10	8	23	1.00	893	Leopoldina	9.47	0.0497	0.006	76.14	4.5	0.86	7	21	1.00
817	Annika	10.80	0.1740		22.05	1.7	0.35	2	4	0.33	894	Erda	9.40	0.2300	0.025	36.54	1.8	0.10	3	5	0.75
818	Kapteynia	9.10	0.1655		49.45	3.9	0.46	2	6	1.00	895	Helio	8.30	0.0420	0.002	141.90	3.5	0.10	2	6	1.00
820	Adriana	11.00	0.0204		58.65	2.5	0.33	9	26	1.00	896	Sphinx	11.80	0.1971	0.017	13.07	0.5	0.10	5	12	1.00
	Sisigambis	11.38	0.1793		16.63	1.4	0.10	2	2	0.22	897	Lysistrata	10.37	0.2619	0.036	21.91	1.4	1.00	5	13	0.71
824	Anastasia	10.41	0.1039		34.14	5.1	1.00	4	11	1.00	899	Jokaste	10.14	0.2026	0.014	27.69	0.9	0.10	7	20	0.88
	Tanina	11.86	0.2624		11.02	0.7	0.10	5	6	0.63	900	Rosalinde	11.74	0.1008	0.017	18.78	1.4	0.10	3	4	1.00
	Henrika	11.30	0.1435		19.28	2.3	0.78	4	11	0.80	903	Nealley	9.80	0.0528	0.004	63.43	2.0	0.34	5	15	1.00
828	Lindemannia	10.33	0.0457		53.39	1.5	0.10	6	17	0.60	904	Rockefellia	9.90	0.0561	0.003	58.75	1.7	0.10	5	14	1.00
829	Academia	10.70	0.0484		43.76	1.3	0.10	2	5	1.00	905	Universitas	11.65	0.0849	0.022	21.33	2.4	0.10	1	2	0.13
830	Petropolitana	9.10			41.22	1.6	0.10	6	12	0.86	907	Rhoda	9.76	0.0560	0.003	62.73	1.7	0.10	4	12	1.00
834	Burnhamia	9.39	0.0698		66.65	2.4	0.81	11	32	1.00	908	Buda	10.69	0.1576	0.015	24.37	1.1	0.10	4	8	1.00
835	Olivia	11.90	0.0242		35.65	2.3	0.10	3	5	0.50	909	Ulla	8.95	0.0343	0.001	116.44	2.4	0.10	4	11	1.00
838	Seraphina	10.09	0.0455	0.004	59.81	2.3	0.10	3	8	1.00	910	Anneliese	10.30	0.0605	0.013	47.07	4.5	0.75	3	8	1.00
839	Valborg	10.20	0.3534	0.028	20.39	0.8	0.10	6	11	0.60	911	Agamemnon	7.89	0.0444	0.002	166.66	3.9	0.10	6	18	1.00
	Kerstin		0.0552		39.16	2.8	0.26	7	12	1.00	912				0.006	83.17		0.55	3	8	1.00

TABLE 5—Continued

916	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
1918	914	Palisana	8.76	0.0943	0.004	76.61	1.7	0.10	4	12	1.00	980	Anacostia	7.85	0.1723	0.006	86.19	1.6	0.10	7	21	1.00
1948 1949	916	America	11.20	0.0530	0.004	33.23	1.3	0.15	6	16	1.00	981	Martina	10.57	0.1254	0.016	28.87	1.7	0.25	2	6	1.00
990. Regria 1119 0.1035 0.008 2.019 2.05 1.7 0.10 1 3 1.00 986. Amelia 9.40 0.1183 0.006 0.94 1.2 0.10 6 187 920. Regria 1119 0.1035 0.008 2.389 0.10 4 1.7 0.10 5 187 923. Hertuga 11.50 0.0442 0.003 2.447 0.8 0.10 4 1.1 1.00 988. Appella 11.80 0.037 0.009 3.57 0.00 4.36 0.0 1.2 0.10 5 187 924. Toni 9.37 0.0442 0.003 2.447 0.8 0.10 4 1.1 1.00 988. Appella 11.80 0.035 0.007 1.26 0.00 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	917	Lyka	11.00	0.0891	0.031	28.10	3.9	0.99	3	6	0.60	983	Gunila	9.58	0.0477	0.002	73.87	1.3	0.10	8	24	1.00
Post	918	Itha	10.70	0.2220	0.048	20.44	1.9	0.10	1	2	0.50	984	Gretia	9.03	0.4239	0.095	31.91	3.1	0.99	4	12	1.00
921 Jovith 10,00 00,207 00,00 25,48 24 0.10 2 5 1,00 988 Alphonsham 1.180 00,205 00,27 0.00 23,47 2 3 924 Toni 9,37 0,483 0.003 85,49 2.5 0.00 90 Verfexs 11.50 0,303 0.01 4 10 0.05 6 1 0.00 0.00 4 1 0.0 0.00 1 0.00 0.00 1 0.00 <t< td=""><td>919</td><td>Ilsebill</td><td>11.30</td><td>0.0698</td><td>0.010</td><td>27.65</td><td>1.7</td><td>0.10</td><td>1</td><td>3</td><td>1.00</td><td>986</td><td>Amelia</td><td>9.40</td><td>0.1183</td><td>0.006</td><td>50.94</td><td>1.2</td><td>0.10</td><td>6</td><td>18</td><td>1.00</td></t<>	919	Ilsebill	11.30	0.0698	0.010	27.65	1.7	0.10	1	3	1.00	986	Amelia	9.40	0.1183	0.006	50.94	1.2	0.10	6	18	1.00
924 Trois 937 04432 0003 8549 25 087 92 5 100 991 McDonalds 11, 180 0.2035 0.027 12, 186 0.8 0, 10 2 3 1, 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	920	Rogeria	11.19	0.1035	0.008	23.89	0.9	0.10	7	2	1.00	987	Wallia	9.30	0.1765	0.009	43.67	1.0	0.10	5	14	1.00
925. Alphonsima 8.3 0.2786 0.083 5.434 2.5 0.878 9. 25 1.00 990. Merkes 11.50 0.1903 0.018 18.46 1.2 0.65 4 10 925. Alphonsima 8.3 0.2786 0.083 5.434 2.1 0.10 8. 22 0.89 991. Merkes 11.50 0.1903 0.008 18.46 1.2 0.65 4 10 925. Imhilde 10.30 0.0770 0.003 48.48 1.1 0.10 8. 22 0.89 992. Swasey 0.0004 0.0113 0.013 27.33 1.4 0.10 5 7 72 92 924. Mildrum 10.10 0.056 0.002 66.49 1.7 0.10 7 18 1.00 994. O.101id 10.30 0.2247 0.023 2.44 1.6 0.10 3 4 4 928 92. Mildrum 10.10 0.056 0.003 56.49 1.7 0.10 7 18 1.00 995. Mildrum 10.30 0.0134 1.00 0.05 31.62 0.6 0.10 7 20 930. Westphalia 11.00 0.056 0.003 56.49 1.7 0.10 7 18 1.00 995. Mildrum 10.30 0.0141 0.005 31.62 0.6 0.10 7 20 933. Swis 11.80 0.070 0.010 21.82 1.4 0.20 5 10 1.00 995. Mildrum 10.30 0.080 1.000 0.02 1.00 1.2 0.00 1.00 1.2 0.00 1.00 1	921	Jovita	10.60	0.0297	0.003	58.48	2.4	0.10	2	5	1.00	988	Appella	11.20	0.0871	0.009	25.91	1.2	0.10	8	18	0.89
925. Alphonsima 8,33 0,2786 0,038 54,34 3,4 0,96 12 35 1,00 991. McDonalda 11,12 0,6618 0,009 31,41 2,1 0,51 6 15 1970. Imbilide 1030 0,0570 0,003 44,84 11 0,10 8 22 0,89 992. Swas 10,80 0,009 1,32 0,13 2,33 14 0,10 5 7 7 927. Ratishona 9,54 0,091 0,002 6,675 1,3 0,10 6 18 1,00 995. Strenberga 10,30 0,2247 0,032 24,42 16 0,10 7 2 0,009 1,000 1,00	923	Herluga	11.50	0.0421	0.002	32.47	0.8	0.10	4	11	1.00	989	Schwassmannia	11.80	0.2035	0.027	12.86	0.8	0.10	2	3	1.00
	924	Toni	9.37	0.0432	0.003	85.49	2.5	0.87	9	25	1.00	990	Yerkes	11.50	0.1303	0.018	18.46	1.2	0.65	4	10	1.00
928. Hildrun 10.10 0.036 0.002 6.75 1.3 0.10 6 18 1.00 994. Sternberga 1.01 0.036 0.003 3.62 0.01 7 20 930 995. Sternberga 1.14 0.036 0.036 0.03 3.64 1.4 0.10 2 6 1.00 995. Sternberga 1.01 0.013 0.020 0.030 0.01	925	Alphonsina	8.33	0.2786	0.038	54.34	3.4	0.96	12	35	1.00	991	McDonalda	11.12	0.0638	0.009	31.41	2.1	0.51	6	15	1.00
928. Hildrun 10,10 0,0365 0,002 66.49 1.7 0,10 7 18 1.00 995. Sternberga 10,30 0,1341 0,005 31,62 0,6 0,10 7 20 930. Weshphalia 14,0 0,0366 0,003 36.8 1.4 0,10 2 6 1.00 995. Hillritats 10,80 0,007 0,009 2,53 1.3 0,10 9 15 931. Whittemora 9,26 0,1704 0,028 45,27 3.4 0,39 10 16 0,83 997. Priska 12,00 0,0801 0,16 18,70 1.6 0,10 2 2 934. Thuringia 10,30 0,0471 0,011 53,35 5.2 0,97 11 31 1,00 1000. Piazzia 9,60 0,1119 0,010 47,78 2.0 0,10 9 17 935. Clivia 12,90 1,074 0,037 7,87 0,7 0,10 3 3 0,0 0,10 0,10 1,00	926	Imhilde	10.30	0.0570	0.003	48.48	1.1	0.10	8	22	0.89	992	Swasey	10.80	0.1132	0.013	27.33	1.4	0.10	5	7	0.71
928. Hildrun 10,10 0,0365 0,002 66.49 1.7 0,10 7 18 1.00 995. Sternberga 10,30 0,1341 0,005 31,62 0,6 0,10 7 20 930. Weshphalia 14,0 0,0366 0,003 36.8 1.4 0,10 2 6 1.00 995. Hillritats 10,80 0,007 0,009 2,53 1.3 0,10 9 15 931. Whittemora 9,26 0,1704 0,028 45,27 3.4 0,39 10 16 0,83 997. Priska 12,00 0,0801 0,16 18,70 1.6 0,10 2 2 934. Thuringia 10,30 0,0471 0,011 53,35 5.2 0,97 11 31 1,00 1000. Piazzia 9,60 0,1119 0,010 47,78 2.0 0,10 9 17 935. Clivia 12,90 1,074 0,037 7,87 0,7 0,10 3 3 0,0 0,10 0,10 1,00		Ratisbona	9.54	0.0591	0.002	67.57	1.3	0.10	6	18	1.00		Otthild	10.30	0.2247	0.032	24.42	1.6	0.10	3	4	0.75
933. Susi 11.80 0.070° 0.010 21.82 1.44 0.39 10 16 0.83 997 Priska 12.00 0.0801 0.016 18.70 1.66 0.10 12 2 2 9 1 934. Thuringia 10.30 0.0471 0.011 53.55 5.2 0.97 11 31 1.00 1000 Pizzzia 9.60 0.1119 0.010 47.88 2.0 10.10 1 2 9 17 935. Clivia 12.90 0.1974 0.037 7.87 0.7 0.10 1.01 2 5 0.00 1000 Pizzzia 9.60 0.1119 0.010 47.88 2.0 1.01 0.9 13 938. Kunigunde 10.00 0.1129 0.007 39.56 1.2 0.10 1.0 2 6 1.00 1000 Pizzzia 9.60 0.1119 0.010 32.13 2.3 0.10 1 3 3 938. Chlosinde 10.80 0.1178 0.025 26.79 2.5 0.10 1 2 0.10 1004 Belopolskya 9.99 0.0348 0.002 71.60 2.1 0.10 4 9 940. Kordula 9.55 0.0353 0.002 87.21 2.6 0.10 1 2 6 1.00 1005 Belopolskya 9.99 0.0348 0.002 71.60 2.1 0.10 4 9 943. Begonia 9.77 0.0456 0.004 6.921 3.0 1.00 4 1.1 1.00 1006 Lagrangea 11.20 0.0670 0.012 29.56 2.3 0.10 3 3 945. Barcelona 10.13 0.2416 0.024 25.47 1.2 0.04 0.0 1.00 1006 Lagrangea 11.20 0.0670 0.014 29.66 2.3 0.10 3 3 945. Barcelona 10.13 0.2416 0.024 25.47 1.2 0.00 1.00 1006 Lagrangea 11.20 0.0670 0.012 29.56 2.3 0.10 3 3 945. Barcelona 10.13 0.2416 0.024 25.47 1.2 0.00 10 10 10 10 10 10 10 10 10 10 10 10 1	928	Hildrun	10.10	0.0365	0.002	66.49	1.7	0.10	7	18	1.00		Sternberga	10.30	0.1341	0.005	31.62	0.6	0.10	7	20	1.00
934 Susi 11.80 0.077 0.010 21.82 1.4 0.20 5 1.0 1.00 P98 Bodea 1.15 0.011 0.004 31.6 3.1 0.10 9 1.7 934 Thuringia 10.30 0.0471 0.017 3.8 0.7 0.10 3 3 0.50 100 Piazzia 9.60 0.1119 0.012 0.017 0.07 3.5 1.2 0.10 9 2.0 0.018 0.00 1.10 0.02 1.00 1.00 0.012 0.019 3.8 0.10 1.2 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 Arage 9.90 0.038 0.00 2.0 0.0 2.2 0.00 2.0 0.00 0.00 2.0 0.00 0.00 2.0 0.00 0.00 2.2 0.00 0.00 2.2 0.00 0.00 0.00 0.00 0.00 0.00 0.00	930	Westphalia	11.40	0.0366	0.003	36.48	1.4	0.10	2	6	1.00		Hilaritas	10.88	0.0901	0.009	29.53	1.3	0.10	9	15	0.82
Part Parting 10.30 0.0471 0.011 53.55 5.2 0.97 11 31 0.00 0.000 Parziza 9.60 0.1119 0.010 47.78 2.0 0.10 9 17 18 19 19 19 19 19 19 19	931	Whittemora	9.26	0.1704	0.028	45.27	3.4	0.39	10	16	0.83	997	Priska	12.00	0.0801	0.016	18.70	1.6	0.10	2	2	0.50
934. Thuringia 10.30 0.0471 0.011 53.5 5.2 0.97 11 31 1.00 Plazzia 9,60 0.1119 0.010 47.8 2.0 0.10 3 3 0.50 1000 Glussia 9,77 0.00 1.01 3 3 936. Kunigunde 10.00 0.1129 0.007 39.56 1.2 0.10 2 1.00 100 Olbersia 11.10 0.0021 0.01 2.1 0.00 2.0 2.0 0.0 2.0 0.00 0.004 0.02 2.0 0.0 0.0 0.00 0.004 0.0 2.5 0.00 0.00 0.007 0.007 0.005 0.0 0.0 2.0 1.0 0.00 1.00 <th< td=""><td>933</td><td>Susi</td><td>11.80</td><td>0.0707</td><td>0.010</td><td>21.82</td><td>1.4</td><td>0.20</td><td>5</td><td>10</td><td>1.00</td><td>998</td><td>Bodea</td><td>11.90</td><td>0.0211</td><td>0.004</td><td>38.16</td><td>3.1</td><td>0.10</td><td>1</td><td>2</td><td>0.14</td></th<>	933	Susi	11.80	0.0707	0.010	21.82	1.4	0.20	5	10	1.00	998	Bodea	11.90	0.0211	0.004	38.16	3.1	0.10	1	2	0.14
938. Chlosinde 10.80 0.1129 0.007 39.56 1.2 0.10 9 23 0.75 1002 Olbersia 11.10 0.0621 0.010 32.13 2.3 0.10 3 3 93 93 0.01	934	Thuringia	10.30	0.0471	0.011	53.35	5.2	0.97	11	31	1.00		Piazzia	9.60	0.1119	0.010	47.78	2.0	0.10	9	17	1.00
938. Chlosinde 10.80 0.1129 0.007 39.56 1.2 0.10 9 23 0.75 1002 Olbersia 11.10 0.0621 0.010 32.13 2.3 0.10 3 3 93 93 0.01	935	Clivia	12.90	0.1974	0.037	7.87	0.7	0.10	3	3	0.50	1001	Gaussia	9.77	0.0392	0.004	74.67	3.8	0.10	1	3	0.33
938. Chlosinde 10.80 0.1178 0.025 26.79 2.5 0.10 1 2 1.00 1005 Arago 9.99 0.0348 0.002 71.60 21 0.10 4 9 940 Kordula 9.55 0.0532 0.002 87.21 2.6 0.10 2 6 1.00 1005 Arago 9.70 0.0697 0.0104 57.82 4.9 0.63 10 28 943 Begonia 9.77 0.0456 0.004 69.21 3.0 1.00 4 11 1.00 1006 Lagrangea 11.20 0.0670 0.012 29.56 2.3 0.10 3 3 3 945 Barcelona 10.13 0.2416 0.024 25.47 1.2 0.40 2 4 1.00 1006 Lagrangea 11.20 0.0670 0.012 29.56 2.3 0.10 3 3 3 945 Barcelona 10.42 0.0627 0.015 4.75 4.6 0.69 9 15 0.64 1010 Marlene 10.40 0.0647 0.003 43.71 1.0 1.0 4 11 947 Monterosa 9.80 0.2937 0.040 26.90 1.7 0.7 7 21 1.00 1012 Sarema 12.41 0.0430 0.006 21.12 1.3 0.10 2 5 949 Hel 9.70 0.0487 0.002 69.17 1.4 0.10 6 1.7 1.00 1012 Sarema 12.41 0.0430 0.006 21.12 1.3 0.10 2 5 949 Hel 9.70 0.0487 0.002 69.17 1.4 0.10 6 1.7 1.00 1013 Tombecka 10.12 0.1552 0.016 31.39 1.5 0.10 7 11 950 Ahrensa 11.60 0.1793 0.054 1.503 1.8 0.68 7 15 1.00 1015 Christa 9.03 0.0459 0.004 96.94 3.6 0.38 9 27 953 Painleva 10.30 0.1670 0.013 28.33 1.1 0.10 4 11 11 1.00 1018 Arnolda 10.62 0.3701 0.079 16.42 1.5 0.22 2 3 954 Li 9.94 0.0555 0.003 58.03 1.3 0.10 6 18 1.00 1019 Strackea 12.63 0.236 0.040 8.37 0.7 0.10 2 3 954 Abplication 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		Kunigunde	10.00	0.1129	0.007	39.56	1.2	0.10	9	23	0.75		Olbersia	11.10	0.0621	0.010	32.13	2.3	0.10	3	3	0.27
945. Begonia 9.77 0.0456 0.004 69.21 3.0 1.00 4 11 1.00 1.006 Lagrangea 11.20 0.0670 0.012 29.56 2.3 0.10 3 3 9.45 1.00 9.45 1.00 1.008 LaPaz 1.040 0.0819 0.013 38.64 2.7 0.51 4 12 1.00 1.008			10.80	0.1178	0.025	26.79	2.5	0.10	1	2	1.00		Belopolskya	9.99	0.0348	0.002	71.60	2.1	0.10	4	9	1.00
945. Begonia 9.77 0.0456 0.004 69.21 3.0 1.00 4 11 1.00 1.006 Lagrangea 11.20 0.0670 0.012 29.56 2.3 0.10 3 3 9.45 1.00 9.45 1.00 1.008 LaPaz 1.040 0.0819 0.013 38.64 2.7 0.51 4 12 1.00 1.008	940	Kordula	9.55	0.0352	0.002	87.21	2.6	0.10	2	6	1.00	1005	Arago	9.70	0.0697	0.014	57.82	4.9	0.63	10	28	1.00
945	943	Begonia	9.77	0.0456	0.004	69.21	3.0	1.00	4	11	1.00		Lagrangea	11.20	0.0670	0.012	29.56	2.3	0.10	3	3	0.33
946. Poesia 10.42 0.0627 0.015 43.75 4.6 0.69 9 15 0.64 1010 Marlene 10.40 0.0447 0.003 43.47 1.1 0.10 4 11 949 Hel 9.70 0.0487 0.002 69.17 1.4 0.10 6 17 1.00 1013 Tombecka 10.12 0.152 0.016 31.93 1.5 0.10 7 11 950 Ahrensa 11.60 0.1793 0.054 15.03 1.8 0.68 8 7 15 1.00 1015 Christa 9.03 0.0459 0.004 40.69 3.6 0.38 4 12 1.00 1015 Christa 9.03 0.0459 0.004 40.69 3.4 1.0 1015 Christa 9.03 0.0459 0.004 40.0 1.1 9.00 3.0 1.0 4.0 1.0 1015 Christa 9.00 4.0 1.0 <t< td=""><td>945</td><td></td><td>10.13</td><td>0.2416</td><td>0.024</td><td>25.47</td><td>1.2</td><td>0.40</td><td>2</td><td>4</td><td>1.00</td><td></td><td></td><td>10.40</td><td>0.0819</td><td>0.013</td><td>38.64</td><td>2.7</td><td>0.51</td><td>4</td><td>12</td><td>1.00</td></t<>	945		10.13	0.2416	0.024	25.47	1.2	0.40	2	4	1.00			10.40	0.0819	0.013	38.64	2.7	0.51	4	12	1.00
949		Poesia	10.42	0.0627	0.015	43.75	4.6	0.69	9	15	0.64		Marlene	10.40	0.0647	0.003	43.47	1.1	0.10	4	11	1.00
950. Ahrensa 11.60 0.1793 0.054 15.03 1.8 0.68 7 15 1.00 1015 Christa 9.03 0.0459 0.004 96.94 3.6 0.38 9 27 952 Caia 9.20 0.0554 0.007 81.61 4.6 0.83 4 12 1.00 1017 Jacqueline 10.90 0.0544 0.011 37.65 3.4 1.00 4 11 1.00 1018 Arnolda 10.62 0.3701 0.071 37.65 3.4 1.00 4 11 1.00 1018 Arnolda 10.62 0.3701 0.042 0.02 3.3 1.1 0.10 6 18 1.00 1019 Strackea 12.63 0.223 0.04 8.7 1.0 0.04 0.01 1.0 1.0 1.0 0.00 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 <td>947</td> <td>Monterosa</td> <td>9.80</td> <td>0.2937</td> <td>0.040</td> <td>26.90</td> <td>1.7</td> <td>0.71</td> <td>7</td> <td>21</td> <td>1.00</td> <td>1012</td> <td>Sarema</td> <td>12.41</td> <td>0.0430</td> <td>0.006</td> <td>21.12</td> <td>1.3</td> <td>0.10</td> <td>2</td> <td>5</td> <td>0.67</td>	947	Monterosa	9.80	0.2937	0.040	26.90	1.7	0.71	7	21	1.00	1012	Sarema	12.41	0.0430	0.006	21.12	1.3	0.10	2	5	0.67
950. Ahrensa 11.60 0.1793 0.054 15.03 1.8 0.68 7 15 1.00 1015 Christa 9.03 0.0459 0.004 96.94 3.6 0.38 9 27 952 Caia 9.20 0.0554 0.007 81.61 4.6 0.83 4 12 1.00 1017 Jacqueline 10.90 0.0544 0.011 37.65 3.4 1.00 4 11 1.00 1018 Arnolda 10.62 0.3701 0.071 37.65 3.4 1.00 4 11 1.00 1018 Arnolda 10.62 0.3701 0.042 0.02 3.3 1.1 0.10 6 18 1.00 1019 Strackea 12.63 0.223 0.04 8.7 1.0 0.04 0.01 1.0 1.0 1.0 0.00 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 <td>949</td> <td>Hel</td> <td>9.70</td> <td>0.0487</td> <td>0.002</td> <td>69.17</td> <td>1.4</td> <td>0.10</td> <td>6</td> <td>17</td> <td>1.00</td> <td>1013</td> <td>Tombecka</td> <td>10.12</td> <td>0.1552</td> <td>0.016</td> <td>31.93</td> <td>1.5</td> <td>0.10</td> <td>7</td> <td>11</td> <td>0.78</td>	949	Hel	9.70	0.0487	0.002	69.17	1.4	0.10	6	17	1.00	1013	Tombecka	10.12	0.1552	0.016	31.93	1.5	0.10	7	11	0.78
952. Caia 9.20 0.0554 0.007 81.61 4.6 0.83 4 12 1.00 1017 Jacqueline 10.90 0.0544 0.011 37.65 3.4 1.00 4 11 1.00 1018 Arrolda 10.62 0.3701 0.079 16.42 1.5 0.22 2 3 954 Li 9.94 0.0555 0.003 8.08 3.1 0.10 0.4 1.1 10.00 1018 Arrolda 11.62 0.204 0.01 2.7 0.01 2 3 1.00 1019 Strackea 12.63 0.204 0.04 0.01 2 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.02 0.00 0.00 0.00 2.3 0.10 4 1.1 0.00 1.00 1.00 0.00 0.00 0.00 2.0 0.00 0.00 0.00 0.00 0.00 0.00<		Ahrensa	11.60	0.1793	0.054	15.03	1.8	0.68	7	15	1.00		Christa	9.03	0.0459	0.004	96.94	3.6	0.38	9	27	1.00
954 Li 9.94 0.0555 0.003 58.03 1.3 0.10 6 18 1.00 1019 Strackea 12.63 0.2236 0.040 8.37 0.7 0.10 2 3 955 Alstede 11.10 0.2135 0.028 17.33 1.0 0.40 6 12 0.86 1021 Flammario 8.98 0.0458 0.002 93.93 2.3 0.10 4 1 957 Camelia 9.70 0.0429 0.002 73.73 1.5 0.10 4 12 1.00 1022 Olympiada 10.50 0.1060 0.030 26.3 2.2 0.10 1.0 1023 Thomana 9.76 0.0649 0.00 4 1.1 2.0 1024 Hale 10.60 0.0594 0.010 41.36 3.1 0.99 5 11 961 Gunnie 11.30 0.0373 0.002 37.42 1.5 0.10 8 2		Caia	9.20	0.0554	0.007	81.61	4.6	0.83	4	12	1.00	1017	Jacqueline	10.90	0.0544	0.011	37.65	3.4	1.00	4	11	1.00
954 Li 9.94 0.0555 0.003 58.03 1.3 0.10 6 18 1.00 1019 Strackea 12.63 0.2236 0.040 8.37 0.7 0.10 2 3 955 Alstede 11.10 0.2135 0.028 17.33 1.0 0.40 6 12 0.86 1021 Flammario 8.98 0.0458 0.002 93.93 2.3 0.10 4 1 957 Camelia 9.70 0.0429 0.002 73.73 1.5 0.10 4 12 1.00 1022 Olympiada 10.50 0.1060 0.030 26.3 2.2 0.10 1.0 1023 Thomana 9.76 0.0649 0.00 4 1.1 2.0 1024 Hale 10.60 0.0594 0.010 41.36 3.1 0.99 5 11 961 Gunnie 11.30 0.0373 0.002 37.42 1.5 0.10 8 2	953	Painleva	10.30	0.1670	0.013	28.33	1.1	0.10	4	11	1.00	1018	Arnolda	10.62	0.3701	0.079	16.42	1.5	0.22	2	3	1.00
955		Li	9.94	0.0555	0.003	58.03	1.3	0.10	6	18	1.00		Strackea	12.63	0.2236	0.040	8.37	0.7	0.10	2	3	0.33
958	955	Alstede	11.10	0.2135	0.028	17.33	1.0	0.40	6	12	0.86			8.98	0.0458	0.002	99.39	2.3	0.10	4	11	1.00
959	957	Camelia	9.70	0.0429	0.002	73.73	1.5	0.10	4	12	1.00	1022	Olympiada	10.50	0.1600	0.030	26.39	2.2	0.10	1	2	0.50
959	958	Asplinda	10.71	0.0415	0.013	47.08	6.2	0.84	4	10	1.00	1023	Thomana	9.76	0.0649	0.004	58.27	1.6	0.12	4	11	1.00
965			10.20	0.0446	0.002	57.42	1.5	0.10	8	21	1.00		Hale	10.60	0.0594	0.010		3.1	0.99		11	1.00
966	961	Gunnie	11.30	0.0373	0.002	37.82	0.9	0.10	5	14	0.71	1027	Aesculapia	10.60	0.0981	0.009	32.20	1.4	0.10	5	11	0.71
966	965	Angelica	9.80	0.0739	0.004	53.63	1.3	0.10	4	11	1.00	1028	Lydina	9.43	0.0586	0.004	71.38	2.2	0.11	12	36	1.00
968	966	Muschi	9.91	0.3497	0.035	23.43	1.1	0.10	3	5	1.00		La Plata	10.88	0.1819	0.039	20.78	1.9	0.10	1	2	0.17
968	967	Helionape	12.10	0.1782	0.034	11.97	1.0	0.1	2	2	0.29	1030	Vitja	10.30	0.0326	0.002	64.13	2.0	0.10	4	11	1.00
971 Alsatia 10.05 0.0415 0.002 63.75 1.7 0.10 4 11 1.00 1033 Simona 11.00 0.1147 0.020 24.76 1.9 0.10 1 2 972 Cohnia 9.50 0.0489 0.003 75.65 1.9 0.10 5 14 1.00 1034 Mozartia 12.20 0.3567 0.033 8.08 0.4 0.10 5 9 973 Aralia 9.60 0.0959 0.006 51.60 1.6 0.10 5 15 1.00 1035 Amata 10.30 0.0522 0.006 50.69 2.9 0.10 2 5 974 Lioba 10.30 0.3965 0.138 18.39 2.6 0.35 2 2 0.67 1036 Ganymed 9.45 0.2926 0.059 31.66 2.8 0.10 2 2 975 Perseverantia 10.41 0.1726 0.024 26.49 1.7 0.10 2 3 0.50 1039 Sonneberga 11.10 0.0476 0.004 36.70 1.4 0.10 2 6 976 Benjamina 9.22 0.0559 0.004 80.53 2.5 0.10 2 6 1.00 1041 Asta 9.90 0.0591 0.003 57.27 1.5 0.10 6 17 977 Philippa 9.67 0.0555 0.010 65.67 5.3 1.00 8 19 1.00 1042 Amazone 9.80 0.0392 0.002 73.64 1.8 0.11 5 14 978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10	968	Petunia	10.26	0.1803	0.045	27.77	2.9	0.10	1	2	0.14	1031		9.56	0.0465	0.002	75.47	1.5	0.10	7	21	1.00
971 Alsatia 10.05 0.0415 0.002 63.75 1.7 0.10 4 11 1.00 1033 Simona 11.00 0.1147 0.020 24.76 1.9 0.10 1 2 972 Cohnia 9.50 0.0489 0.003 75.65 1.9 0.10 5 14 1.00 1034 Mozartia 12.20 0.3567 0.033 8.08 0.4 0.10 5 9 973 Aralia 9.60 0.0959 0.006 51.60 1.6 0.10 5 15 1.00 1035 Amata 10.30 0.0522 0.006 50.69 2.9 0.10 2 5 974 Lioba 10.30 0.3965 0.138 18.39 2.6 0.35 2 2 0.67 1036 Ganymed 9.45 0.2926 0.059 31.66 2.8 0.10 2 2 975 Perseverantia 10.41 0.1726 0.024 26.49 1.7 0.10 2 3 0.50 1039 Sonneberga 11.10 0.0476 0.004 36.70 1.4 0.10 2 6 976 Benjamina 9.22 0.0559 0.004 80.53 2.5 0.10 2 6 1.00 1041 Asta 9.90 0.0591 0.003 57.27 1.5 0.10 6 17 977 Philippa 9.67 0.0555 0.010 65.67 5.3 1.00 8 19 1.00 1042 Amazone 9.80 0.0392 0.002 73.64 1.8 0.11 5 14 978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10	969	Leocadia	12.57	0.0435	0.003	19.51	0.7	0.10	2	6	1.00	1032	Pafuri	10.00	0.0591	0.008	54.67	3.4	0.41	4	12	1.00
972 Cohnia 9.50 0.0489 0.003 75.65 1.9 0.10 5 14 1.00 1034 Mozartia 12.20 0.3567 0.033 8.08 0.4 0.10 5 9 9 9 9 9 9 0.006 51.60 1.6 0.10 5 15 1.00 1035 Amata 10.30 0.0522 0.006 50.69 2.9 0.10 2 5 9 9 1.004 10.30 0.3965 0.138 18.39 2.6 0.35 2 2 0.67 1036 Ganymed 9.45 0.2926 0.059 31.66 2.8 0.10 2 2 9 1.00 10.30 0.3965 0.138 18.39 2.6 0.35 2 2 0.67 1036 Sonneberga 11.10 0.0476 0.004 36.70 1.4 0.10 2 6 9 1.00 10.	971	Alsatia	10.05			63.75	1.7	0.10	4	11	1.00		Simona	11.00	0.1147	0.020	24.76	1.9	0.10	1	2	0.50
974 Lioba 10.30 0.3965 0.138 18.39 2.6 0.35 2 2 0.67 1036 Ganymed 9.45 0.2926 0.059 31.66 2.8 0.10 2 2 975 Perseverantia 10.41 0.1726 0.024 26.49 1.7 0.10 2 3 0.50 1039 Sonneberga 11.10 0.0476 0.004 36.70 1.4 0.10 2 6 976 Benjamina 9.22 0.0559 0.004 80.53 2.5 0.10 2 6 1.00 1041 Asta 9.90 0.0591 0.003 57.27 1.5 0.10 6 17 977 Philippa 9.67 0.0555 0.010 65.67 5.3 1.00 8 19 1.00 1042 Amazone 9.80 0.0392 0.002 73.64 1.8 0.11 5 14 978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10	972	Cohnia	9.50			75.65	1.9	0.10	5	14	1.00	1034	Mozartia	12.20	0.3567	0.033	8.08	0.4	0.10	5	9	0.83
974 Lioba 10.30 0.3965 0.138 18.39 2.6 0.35 2 2 0.67 1036 Ganymed 9.45 0.2926 0.059 31.66 2.8 0.10 2 2 975 Perseverantia 10.41 0.1726 0.024 26.49 1.7 0.10 2 3 0.50 1039 Sonneberga 11.10 0.0476 0.004 36.70 1.4 0.10 2 6 976 Benjamina 9.22 0.0559 0.004 80.53 2.5 0.10 2 6 1.00 1041 Asta 9.90 0.0591 0.003 57.27 1.5 0.10 6 17 977 Philippa 9.67 0.0555 0.010 65.67 5.3 1.00 8 19 1.00 1042 Amazone 9.80 0.0392 0.002 73.64 1.8 0.11 5 14 978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10									5	15							50.69	2.9			5	1.00
975 Perseverantia 10.41 0.1726 0.024 26.49 1.7 0.10 2 3 0.50 1039 Sonneberga 11.10 0.0476 0.004 36.70 1.4 0.10 2 6 976 Benjamina 9.22 0.0559 0.004 80.53 2.5 0.10 2 6 1.00 1041 Asta 9.90 0.0591 0.003 57.27 1.5 0.10 6 17 977 Philippa 9.67 0.0555 0.010 65.67 5.3 1.00 8 19 1.00 1042 Amazone 9.80 0.0392 0.002 73.64 1.8 0.11 5 14 978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10																						0.50
976 Benjamina 9.22 0.0559 0.004 80.53 2.5 0.10 2 6 1.00 1041 Asta 9.90 0.0591 0.003 57.27 1.5 0.10 6 17 977 Philippa 9.67 0.0555 0.010 65.67 5.3 1.00 8 19 1.00 1042 Amazone 9.80 0.0392 0.002 73.64 1.8 0.11 5 14 978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10													•									1.00
977 Philippa 9.67 0.0555 0.010 65.67 5.3 1.00 8 19 1.00 1042 Amazone 9.80 0.0392 0.002 73.64 1.8 0.11 5 14 978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10																						1.00
978 Aidamina 9.73 0.0365 0.002 78.73 2.3 0.10 6 17 1.00 1043 Beate 9.79 0.2147 0.019 31.60 1.3 0.12 7 10																						1.00
																						0.88
979 Ilsewa 9.80 0.1567 0.024 36.82 2.5 1.00 8 18 0.80 1044 Teutonia 10.90 0.3340 0.063 15.20 1.3 0.10 2 2	979	Ilsewa				36.82	2.5	1.00	8	18	0.80	1044	Teutonia	10.90	0.3340		15.20			2	2	1.00

TABLE 5—Continued

ID	Name	H	$P_{_{X}}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	H	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
1048	Feodosia	9.75	0.0452	0.002	70.16	1.8	0.10	3	9	1.00	1126	Otero	12.10	0.1786	0.033	11.96	1.0	0.10	1	2	0.33
1049	Gotho	12.00	0.0109	0.002	50.69	3.5	0.10	2	2	1.00	1127	Mimi	10.95	0.0336	0.008	46.84	4.9	1.00	9	26	1.00
1051	Merope	9.90	0.0429	0.003	67.21	1.9	0.10	3	8	1.00	1128	Astrid	10.70	0.0770	0.010	34.69	2.1	0.22	2	5	1.00
1054	Forsytia	10.30	0.0648	0.014	45.47	4.3	0.68	7	20	1.00	1129	Neujmina	10.20	0.1216	0.010	34.76	1.4	0.10	2	6	1.00
1057	Wanda	10.96	0.0446	0.005	40.47	2.1	0.22	8	19	0.89	1135	Colchis	10.20	0.0573	0.004	50.64	1.5	0.15	6	17	1.00
1062	Ljuba	9.85	0.0668	0.005	55.10	2.0	0.10	2	4	1.00	1136	Mercedes	11.00	0.1100	0.021	25.28	2.1	0.47	2	5	1.00
	Aquilegia	11.38	0.1572		17.75	1.2	0.10	3	3	0.60	1137	Raissa	10.74	0.1592	0.015	23.69	1.1	0.10	3	5	1.00
	Aethusa	10.50	0.3202	0.034	18.66	0.9	0.48	3	9	1.00	1140	Crimea	10.28	0.1772	0.014	27.75	1.1	0.10	5	13	0.83
1069	Planckia	9.30	0.2158	0.025	39.50	2.1	0.10	2	6	1.00	1143	Odysseus	7.93	0.0753	0.005	125.64	3.7	0.10	5	11	1.00
1070	Tunica	10.60	0.0768	0.014	36.39	3.0	1.00	6	15	1.00	1144	Oda	10.00	0.0533	0.004	57.59	2.2	0.10	9	23	1.00
	Brita	10.10	0.0637		50.29	1.4	0.10	2	5	1.00	1145	Robelmonte	11.10	0.1186	0.009	23.25	0.8	0.10	4	12	0.67
	Malva	10.50	0.0549		45.05	1.8	0.35	10	30	1.00	1146	Biarmia	9.80	0.2190	0.018	31.14		0.10	4	11	1.00
	Gellivara	11.90	0.0241		35.73	3.4	0.10	1	2	0.50	1148	Rarahu		0.1393	0.028	33.23	2.9	0.10	2	3	1.00
	Beljawskya	10.00	0.0772	0.007	47.82	2.2	0.10	7	11	0.70	1149	Volga	10.57	0.0338	0.002	55.57	1.8	0.52	8	22	1.00
	Helina	10.15	0.1220		35.52	1.5	0.10	3	8	1.00	1152	Pawona	11.30	0.2167	0.030	15.69	1.0	0.10	2	4	0.67
	Viola	12.30	0.0415		22.63	2.7	0.82	6	9	0.67	1154	Astronomia	10.51	0.0296	0.002	61.08	1.8	0.10	6	17	1.00
	Orchis	12.20	0.0430		23.28	1.7	0.34	8	13	1.00	1155	Aenna	11.50	0.3278	0.066	11.64	1.0	0.10	2	2	0.29
	Reseda	11.30	0.0372		37.89	1.3	0.10	8	23	1.00	1158	Luda	10.80	0.2329	0.022	19.06	0.8	0.86	3	8	1.00
	Pirola	10.41	0.0655		43.01	2.4	0.10	2	6	1.00	1159	Granada		0.0471	0.003	29.98	0.9	0.10	6	16	1.00
	Tamariwa	10.78	0.1165		27.19	1.9	0.10	3	5	0.75	1161	Thessalia	11.60	0.0439	0.008	30.37	2.5	0.10	2	3	0.40
	Amaryllis	9.40	0.0628		69.95	1.4	0.10	7	20	1.00	1163	Saga	10.60	0.1200	0.015	29.11	1.7	0.10	6	9	0.86
	Nata	9.30	0.0767		66.27	4.3	0.66	6	18	1.00	1165	Imprinetta	10.30	0.0562	0.005	48.82	1.9	0.10	10	22	1.00
	Arabis	9.73	0.2248		31.75	2.5	0.10	2	3	0.33	1166	Sakuntala	8.80	0.6460	0.040	28.74	0.9	0.10	3	5	1.00
	Tama	11.60	0.2424		12.92	0.6	0.10	5	11	0.83	1167	Dubiago	9.85	0.0509	0.010	63.12	5.6	0.86	6	17	1.00
	Spiraea	10.60	0.0994		31.98	1.8	0.10	2	5	1.00	1168	Brandia	12.53	0.0505	0.010	10.61	0.7	0.10	3	3	0.60
	Lilium	10.82	0.0390		46.17	1.5	0.10	4	11	1.00	1170	Siva	12.43	0.1320	0.021	10.37	0.8	0.10	2	2	0.40
	Freda	8.83	0.0330		116.73	2.9	0.10	3	8	1.00	1171	Rusthawelia	9.90	0.0394	0.003	70.13	2.3	0.10	4	11	1.00
	Siberia	11.90	0.0943		18.05	1.0	0.10	5	11	1.00	1172	Aneas	8.33	0.0403	0.003	142.82	4.8	0.10	4	11	1.00
	Tulipa	10.42	0.0943		31.52	1.7	0.12	3	5	0.75	1172	Anchises	8.89	0.0403	0.003	126.27	10.7	0.61	3	8	0.75
	Reunerta	10.42	0.0638		45.83	2.7	0.10	6	17	1.00	1174	Marmara	12.00	0.1065	0.025	16.21	1.6	0.10	2	2	1.00
	Vicia	11.70	0.0030		21.08	1.1	0.10	4	6	0.67	1176		10.90	0.1003	0.025	30.65	0.8	0.10	7	21	1.00
	Hakone	10.20	0.2404		24.73	1.1	0.10	6	11	0.86	1177	Gonnessia	9.30	0.0321	0.003	91.98	9.9	1.00	5	14	1.00
			0.2404		29.39	6.3	0.76	3	3	0.33	1178	Irmela	11.81	0.0396	0.010	19.09	0.8	0.10	8	15	1.00
	Figneria Clematis	10.40	0.1413		37.86	1.4	0.70	8	15	0.33	1182	Ilona	11.30	0.0910	0.008	14.26	0.8	0.10	4	8	0.67
		9.40	0.1124		39.27	2.1	0.10	5	6	0.83	1183	Jutta	12.10	0.2024	0.030	17.90	1.2	0.70	5	8	1.00
	Pepita Syrings	12.50	0.1331		22.10	0.7	0.10	7	16	0.88	1186	Turnera	9.20	0.0797	0.011	35.56	2.0	0.70	2	6	1.00
	Syringa							7		1.00					0.036	31.83				9	0.67
	Fragaria	10.09	0.1186 0.0646		37.03 79.17	3.8 2.9	0.70 0.36	4	17 11	1.00	1187	Afra Cathlandia	11.30 11.70	0.0527 0.2401	0.016	12.40	3.9 0.6	0.97 0.10	4 5	8	0.63
	Lictoria	9.10	0.0040		25.61	2.9		2	4	1.00	1188 1189	Gothlandia		0.2401	0.023	55.88	3.2	0.10		3	1.00
	Demeter	11.91					0.46		18			Terentia Palagia	10.00						1 2	5	0.67
	Tata	10.06	0.0378		66.53	1.4	0.10	6		1.00	1190		12.40	0.0636	0.008	17.45	1.0	0.10			
	Polonia	10.05	0.1319		35.76	1.6	0.10	5	13	1.00	1191	Alfaterna	10.60	0.0574	0.009	42.09	3.0	1.00	6	17	1.00
	Katja	9.40	0.2071		38.50	2.0	0.10	2	4	1.00	1194	Aletta	10.20	0.0479	0.003	55.39	1.4	0.10	3	8	1.00
	Lorraine	9.90	0.0501		62.20	1.7	0.10	3	8	1.00	1196	Sheba	10.26	0.1634	0.013	29.17	1.1	0.10	11	19	0.85
	Sabauda	9.30	0.0711		68.82	1.8	0.10	3	9	1.00	1197	Rhodesia	10.00	0.0783	0.013	47.50	3.4	1.00	6	18	1.00
	Catriona	9.70	0.1522		39.12	0.7	0.10	6	18	1.00	1199	Geldonia	10.36	0.1299	0.029	31.25	3.0	0.82	6	16	1.00
	Hanskya	9.50	0.0470		77.20	1.7	0.10	9	26	1.00	1200	Imperatrix	10.50	0.0714	0.017	39.52	3.9	1.00	10	29	0.91
	Euboea	11.20	0.0590		31.49	4.8	0.96	2	5	1.00	1201	Strenua	11.40	0.0401	0.009	34.86	3.5	0.75	9	27	0.90
	Neith	11.10	0.4450	0.044	12.01	0.5	0.12	2	5	0.67	1202	Marina	10.60	0.0337	0.003	54.93	2.6	0.10	7	12	0.88
1124	Stroobantia	10.67	0.1569	0.015	24.65	1.1	0.10	4	9	1.00	1203	Nanna	11.20	0.0473	0.012	35.18	3.9	0.10	1	2	0.14

TABLE 5—Continued

ID	Name	Н	P_{x}	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
1207	Ostenia	11.00	0.1338	0.016	22.93	1.3	0.10	4	6	1.00	1280	Baillauda	10.33	0.0505	0.004	50.83	2.0	0.10	6	18	1.00
1208	Troilus	8.99	0.0419	0.003	103.34	3.9	0.10	4	10	1.00	1281	Jeanne	11.60	0.0864	0.016	21.65	1.7	0.10	2	2	1.00
1210	Morosovia	9.91	0.1695	0.032	33.65	2.8	0.89	7	19	1.00	1282	Utopia	10.00	0.0627	0.010	53.07	3.7	0.87	6	18	1.00
1211	Bressole	10.60	0.0695	0.011	38.24	2.7	0.10	2	5	1.00	1283	Komsomolia	10.30	0.1856	0.017	26.87	1.1	0.10	7	20	1.00
1212	Francette	9.54	0.0400	0.003	82.13	3.2	0.10	5	15	1.00	1284	Latvia	10.24	0.1045	0.007	36.81	1.2	0.10	6	18	1.00
	Algeria	10.80	0.0767	0.027	33.20	4.7	0.58	2	3	0.67	1285	Julietta	10.60	0.0610	0.005	40.83	1.4	0.10	8	20	1.00
	Richilde	10.90	0.0619	0.013	35.29	3.2	1.00	8	23	1.00	1289	Kutaissi	10.73	0.1374	0.021	25.62	1.8	0.10	2	4	1.00
1219	Britta	11.94	0.2267	0.040	11.43	0.9	0.10	2	3	0.50	1291	Phryne	10.33	0.1818	0.033	26.78	2.2	0.10	2	2	1.00
1222	Tina	10.30	0.3086	0.059	20.84	1.8	0.50	10	27	1.00	1293	Sonja	12.00	0.4598	0.095	7.80	0.7	0.10	1	3	0.14
1224	Fantasia	11.36	0.2599		13.94	0.5	0.10	6	5	1.00	1294	Antwerpia	10.20	0.1220	0.024	34.71	3.0	0.65	5	14	1.00
	Golia	11.10	0.2388	0.052	16.39	1.5	0.19	2	3	0.33	1295	Deflotte	10.60	0.0441	0.004	48.03	1.8	0.10	2	6	1.00
	Geranium		0.0921		41.82	1.8	0.79	3	7	0.50	1296		10.90	0.1209	0.017	25.25	1.6	0.87	8	24	1.00
	Tilia	11.10	0.0839		27.65	1.2	0.10	3	8	1.00	1298	Nocturna	10.70	0.0578	0.006	40.04	2.0	0.10	2	6	1.00
1231	Auricula	11.60	0.0798	0.014	22.52	1.8	0.10	1	2	0.25	1300	Marcelle	10.90	0.0995	0.008	27.84	1.1	0.10	8	23	1.00
	Cortusa	10.20	0.1339		33.13	2.3	0.10	2	3	1.00	1301	Yvonne	10.80	0.1632	0.040	22.77	2.4	1.00	10	27	1.00
	Kobresia	11.30	0.0475		33.50	0.8	0.10	9	24	1.00	1303	Luthera	9.00	0.0608	0.003	85.45	2.1	0.10	4	11	1.00
	Elyna	11.50	0.0672		25.70	3.2	0.86	6	12	1.00	1304	Arosa	8.60	0.3480	0.033	42.94	1.9	0.10	2	5	0.67
	Thais	11.93	0.0599		22.34	1.3	0.10	3	7	0.50	1306	Scythia	9.71	0.0512	0.007	67.14	4.4	0.92	6	16	1.00
	Genevieve	10.70	0.0585		39.81	1.1	0.10	7	20	1.00	1308	Halleria	10.80	0.0454	0.003	43.16	1.4	0.10	4	11	1.00
	Predappia	11.90	0.0771		19.96	1.0	0.10	3	6	1.00	1309	Hyperborea	10.20	0.0450	0.007	57.15	3.9	0.94	6	18	1.00
	Queteleta	12.50	0.0695		15.94	1.8	0.99	4	11	1.00	1311	Knopfia	12.20	0.1178	0.035	14.06	1.7	0.38	3	3	0.30
	Centenaria	9.70	0.0673		58.85	1.5	0.10	5	15	1.00	1312	Vassar	10.80	0.0643	0.004	36.28	1.1	0.10	2	6	1.00
	Dysona	9.45	0.0425		83.05	4.4	0.88	6	17	1.00	1314	Paula	12.68	0.1171	0.021	11.31	0.9	0.10	1	3	0.10
	Zambesia	10.10	0.0708		47.70	1.6	0.11	2	6	1.00	1315	Bronislawa	9.80	0.0527	0.002	63.50	1.3	0.10	5	15	1.00
	Pamela	9.68	0.0483		70.07	5.9	1.00	6	18	1.00	1318	Nerina	11.90	0.1811	0.002	13.02	0.6	0.10	8	18	0.80
	Deira	11.30	0.0557		30.95	1.9	0.73	4	11	1.00	1320	Impala	10.40	0.0775	0.010	39.72	2.3	0.10	2	4	0.67
	Calvinia	9.89	0.2713		26.84	3.5	0.58	2	5	1.00	1323	Tugela	9.90	0.0567	0.007	58.44	3.4	0.45	2	6	1.00
	Chaka	10.90	0.2351		18.11	0.9	0.61	5	12	1.00	1325	Inanda	11.50	0.3756	0.043	10.87	0.6	0.10	4	6	0.67
	Memoria	10.52	0.0846		35.97	1.9	0.10	2	5	1.00	1326	Losaka	10.92	0.1499	0.030	22.47	1.9	0.10	1	2	1.00
	Rutherfordia	11.54	0.2778		12.41	0.8	0.10	4	6	0.67	1327	Namaqua	12.10	0.0404	0.010	25.14	2.5	0.10	2	2	0.67
	Galanthus	12.26	0.0500		21.00	2.9	0.63	3	3	0.07	1328	Devota	10.31	0.0407	0.010	57.11	5.1	0.85	6	17	1.00
	Celestia	10.89	0.0500		17.39	1.6	0.10	2	2	0.67	1330	Spiridonia	10.17	0.0498	0.010	55.08	4.9	0.99	10	28	1.00
	Erfordia	10.80	0.0409		45.48	5.4	0.10	7	19	1.00	1331	Solvejg	10.17	0.1509	0.010	32.08	3.4	0.96	6	8	1.00
	Schilowa	10.30	0.0409		32.52	1.6	0.48	5	14	1.00	1332	Marconia	10.14	0.1309	0.039	44.10	3.6	0.62	3	9	1.00
	Normannia	9.66	0.0504		69.22	2.8	0.10	4	11	0.80	1334	Lundmarka	11.30	0.0600	0.014	29.82	3.2	0.65	6	14	1.00
	Sicilia	10.50	0.0564		44.47	2.4	0.10	7	18	1.00	1336	Zeelandia	10.66	0.2183	0.010	20.99	2.1	0.10	1	2	0.50
	Ogyalla	11.00	0.0504		33.13	1.6	0.26	6	17	0.75	1337	Gerarda			0.032	38.86	3.6	1.00	11	30	1.00
	Legia	11.00	0.0041		31.28	1.3	0.20	4	11	1.00	1339	Desagneauxa	10.81	0.1589	0.016	22.96	1.7	0.10	2	4	0.67
	Sniadeckia	10.25	0.0719		51.49	6.2	0.10	3	9	1.00	1340	Yvette	11.10	0.1389	0.020	25.87	2.6	0.10	2	3	0.50
	Varsavia	10.23	0.0329		49.29	1.1	0.99	4	11	1.00	1340	Edmee	10.58	0.0938	0.023	27.49	1.1	0.10	7	17	1.00
		9.10	0.0439		74.74	2.1	0.10	7	19	1.00	1342			0.1571	0.011	18.00	1.1	0.10	10	28	1.00
	Letaba							6				Brabantia	11.35						10		
	Tone Gertruida	9.41 12.10	0.0566		73.34 23.41	3.8 1.4	0.55 0.10	3	18 4	1.00 0.60	1343	Nicole Potomac	11.10 9.73	0.1076 0.0439	0.021 0.004	24.41 71.82	2.0	0.10 0.10	4	2	0.50 0.80
	Geertruida		0.0466								1345										
	Libya	9.12	0.0449		94.10	2.3	0.10	4	12	1.00	1347	Patria Passalia	11.60	0.0386	0.003	32.40	1.1	0.10	6	16	0.86
	Rollandia	8.82	0.0473		105.19	2.8	0.10	6	18	1.00	1350	Rosselia	10.78	0.1579	0.025	23.35	1.7	0.10	2	2	1.00
	Isergina	10.60	0.0517		44.33	3.1	0.37	5	14	1.00	1351	Uzbekistania	9.60	0.0606	0.009	64.91	4.3	0.68	5	15	1.00
	Cimbria	10.72	0.1109		28.65	4.4	0.99	3	6	0.43	1353	Maartje	10.40	0.1073	0.030	33.75	3.9	0.95	6	16	1.00
	Ucclia	10.40	0.1303		30.63	2.1	0.26	3	8	1.00	1354	Botha	11.30	0.0225	0.006	48.75	5.8	0.77	5	8	1.00
1277	Dolores	11.05	0.0879	0.016	27.64	2.2	0.63	8	22	1.00	1356	Nyanza	9.90	0.0462	0.008	64.73	5.1	0.88	4	12	1.00

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	H	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
1357	Khama	11.03	0.0272	0.003	50.16	2.8	0.36	4	12	0.80	1459	Magnya	9.90	0.2168	0.053	29.90	3.1	0.10	1	2	0.25
1358	Gaika	12.20	0.0585	0.012	19.96	1.7	0.10	2	2	1.00	1461	Jean-Jacques	10.01	0.1613	0.014	32.94	1.4	0.10	5	8	1.00
1359	Prieska	10.50	0.0413	0.002	51.98	1.4	0.10	7	20	1.00	1462	Zamenhof	10.80	0.1268	0.019	25.82	1.7	0.10	4	6	0.57
1360	Tarka	11.00	0.0790	0.007	29.84	1.3	0.18	4	9	1.00	1463	Nordenmarkia	10.60	0.0514	0.005	44.48	2.1	0.10	4	8	1.00
1361	Leuschneria	10.80	0.0924	0.010	30.25	1.5	0.10	5	12	0.71	1466	Mundleria	11.90	0.0664	0.006	21.51	0.9	0.10	7	13	1.00
1362	Griqua	11.18	0.0667	0.007	29.90	1.5	0.10	2	4	1.00	1469	Linzia	9.60	0.0734	0.007	58.99	2.5	0.36	8	23	0.89
1366	Piccolo	10.45	0.1538	0.022	27.55	1.8	0.10	3	4	0.50	1470	Carla	11.00	0.0515	0.003	36.97	1.1	0.10	8	22	1.00
1368	Numidia	10.92	0.2035	0.019	19.29	0.9	0.10	5	10	0.71	1471	Tornio	10.70	0.0849	0.012	33.04	2.1	0.86	7	20	1.00
1369	Ostanina	10.70	0.0545	0.013	41.24	4.1	0.92	5	14	1.00	1473	Ounas	11.80	0.1089	0.009	17.58	0.7	0.10	6	15	0.67
1372	Haremari	12.20	0.0409	0.007	23.85	1.8	0.10	2	3	0.67	1477	Bonsdorffia	11.59	0.0517	0.005	28.10	1.3	0.10	4	8	1.00
1378	Leonce	12.10	0.0773	0.013	18.18	1.4	0.10	2	3	1.00	1481	Tubingia	10.34	0.1167	0.013	33.26	1.7	0.10	2	5	1.00
1383	Limburgia	11.50	0.0891	0.016	22.32	1.8	0.65	9	23	1.00	1484	Postrema	12.10	0.0137	0.001	43.18	1.0	0.10	3	9	1.00
1384	Kniertje	9.70	0.3077	0.039	27.51	1.6	0.97	3	8	1.00	1487	Boda	10.60	0.1195	0.029	29.16	3.0	0.35	2	4	1.00
1385	Gelria	10.70	0.1883	0.035	22.19	1.8	0.10	2	2	1.00	1489	Attila	11.10	0.0700	0.009	30.27	1.9	0.10	3	5	0.43
1390	Abastumani	9.40	0.0298	0.001	101.58	2.3	0.10	4	12	1.00	1490	Limpopo	12.00	0.0811	0.014	18.58	1.4	0.52	7	19	0.88
1392	Pierre	11.72	0.0519	0.007	26.44	1.6	0.10	3	4	0.43	1492	Oppolzer	12.80	0.0890	0.026	12.27	1.5	0.10	1	2	0.17
1396	Outeniqua	12.00	0.2335	0.037	10.95	0.8	0.10	3	3	0.25	1493	Sigrid	11.99	0.0489	0.010	24.03	2.1	0.72	5	11	0.71
1403	Idelsonia	10.60	0.0945	0.024	32.80	3.5	0.20	2	2	0.67	1495	Helsinki	11.60	0.1200	0.026	18.37	1.7	0.10	2	2	0.50
1404	Ajax	9.00	0.0665	0.005	81.69	3.2	0.10	6	13	1.00	1501	Baade	12.10	0.2093	0.033	11.05	0.8	0.10	1	2	0.50
1405	Sibelius	12.30	0.1432	0.029	12.18	1.1	0.10	2	3	0.22	1502	Arenda	11.60	0.0367	0.003	33.22	1.2	0.10	4	11	1.00
1406	Komppa	10.60	0.1517	0.038	25.89	2.7	0.65	6	9	0.75	1503	Kuopio	10.60	0.2995	0.056	18.43	1.5	0.10	1	2	0.50
1407	Lindelof	10.60	0.2309	0.040	20.98	1.6	0.39	6	14	1.00	1504	Lappeenranta	11.88	0.1939	0.042	12.70	1.2	0.10	2	3	0.50
1408	Trusanda	11.00	0.0668	0.008	32.46	1.8	0.10	5	10	0.71	1505	Koranna	11.60	0.0929	0.022	20.88	2.1	0.97	11	28	0.85
1409	Isko	10.60	0.0805	0.008	35.54	1.7	0.33	6	17	1.00	1509	Esclangona	12.64	0.2327	0.038	8.17	0.6	0.10	1	2	0.09
1411	Brauna	10.90	0.0794	0.007	31.17	1.2	0.10	14	33	0.93	1510	Charlois	11.20	0.1033	0.029	23.80	2.8	0.91	6	11	0.75
1413	Roucarie	10.90	0.1677	0.048	21.45	2.5	0.27	2	2	1.00	1511	Dalera	12.70	0.0614		15.47	3.2	0.92	3	3	0.38
1414	Jerome	12.40	0.0652	0.011	17.24	1.3	0.10	3	4	0.75	1512	Oulu	9.62	0.0366	0.002	82.72	2.5	0.10	15	38	1.00
1415	Malautra	12.19	0.1123	0.020	14.47	1.2	0.10	2	2	0.29	1516	Henry	12.30	0.0536	0.011	19.92	1.7	0.10	2	3	1.00
1416	Renauxa	10.40	0.1459	0.031	28.95	2.7	0.10	1	2	0.50	1517	Beograd	11.10	0.0491	0.005	36.16	1.9	0.39	7	20	1.00
1418	Fayeta				10.01	0.8	0.10	2	2	0.20	1519	Kajaani	11.40	0.0700	0.007	26.37	1.2	0.10	2	5	1.00
1421	Esperanto		0.0714		43.31	3.1	0.10	1	2	1.00	1520	Imatra		0.0615		53.61	1.4	0.10	8	22	1.00
1423	Jose		0.1632		26.14	2.5	0.10	2	2	0.40	1524		10.80	0.0462	0.002	42.79	1.1	0.10	5	14	1.00
1424	Sundmania	9.50			70.75	2.5	0.96	4	10	1.00	1525	Savonlinna	12.40	0.1306	0.020	12.18	0.9	0.10	3	7	0.60
1425	Tuorla	11.30	0.2390		14.94	1.1	0.10	3	3	0.50	1532	Inari		0.0562	0.008	28.10	1.9	0.10	3	4	0.43
1426	Riviera	10.80	0.3546		15.44	0.7	0.10	6	12	0.75	1533	Saimaa	10.82	0.1216	0.016	26.13	1.5	0.10	4	5	0.80
1427	Ruvuma	10.70			37.56	0.7	0.10	11	32	1.00	1534	Nasi				22.12	0.9	0.10	2	6	1.00
1428	Mombasa	10.90			56.63	2.0	0.88	4	10	1.00	1535	Paijanne	10.70	0.1299	0.011	26.72	1.0	0.10	7	19	0.88
1434	Margot		0.1353		29.65	1.4	0.10	4	10	0.67	1537	Transylvania			0.041	13.77	1.5	0.77	6	12	0.86
1435	Garlena	12.80	0.0432		17.61	1.4	0.10	3	3	0.33	1540	Kevola	10.80	0.0433	0.004	44.18	1.7	0.70	5	13	1.00
1436	Salonta		0.0339		62.90	1.6	0.10	4	11	1.00	1541	Estonia		0.1434		20.20	1.3	0.10	4	4	0.80
1437	Diomedes	8.30			164.31	4.1	0.10	6	17	1.00	1542	Schalen	10.30	0.0656		45.19	1.6	0.10	7	20	0.88
1439	Vogtia	10.45	0.0509		47.87	4.0	0.10	2	3	0.67	1544	Vinterhansenia	11.70	0.0784	0.012	21.71	1.5	0.10	1	2	1.00
1441	Bolyai	13.10			14.76	1.4	0.10	1	2	0.11	1545	Thernoe		0.0962	0.013	18.71	1.1	0.10	2	6	1.00
1444	Pannonia	9.10	0.4748		29.20	2.2	0.10	2	2	0.50	1548	Palomaa	11.50	0.0634	0.010	26.46	1.9	0.51	3	7	1.00
1448	Lindbladia	12.60			20.65	1.4	0.10	2	2	0.40	1549	Mikko	11.70	0.3761	0.086	9.91	1.0	0.10	1	2	0.20
1450	Raimonda	11.90	0.1387	0.019	14.88	0.9	0.10	3	6	1.00	1552	Bessel	11.00	0.2042	0.045	18.56	1.8	0.10	1	2	0.50
1453	Fennia		0.2494	0.032	7.23	0.4	0.10	3	4	0.60	1556	Wingolfia	10.55	0.1297	0.023	28.65	2.2	0.35	4	7	0.80
1456	Saldanha		0.0395		43.59	0.9	0.10	8	23	1.00	1558	Jarnefelt	10.20	0.0347	0.009	65.09	7.1	0.88	2	6	1.00
1458	Mineura	11.50	0.1502	0.015	17.19	0.8	0.10	7	15	0.78	1561	Fricke	11.60	0.0597	0.011	26.03	2.2	0.10	2	3	0.50

TABLE 5—Continued

1566	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
1866	1562	Gondolatsch	11.80	0.2536	0.048	11.52	1.0	0.10	2	2	0.33	1663	van den Bos	12.20	0.1584	0.024	12.13	0.8	0.10	2	3	0.20
1560 Fevira 11.10 0.058 0.007 33.92 2.0 0.10 2 5 1.00 1674 Greeneveld 11.66 0.0888 0.013 27.38 1.8 0.10 3 3 3 0.1572 Possmain 10.00 0.1563 0.026 33.62 2.5 0.10 1 2 2 0.31 0.1573 0.025 0.014 3.7 0.014																						0.86
1575 Posmania 10.00													-									0.75
1573																						0.67
1574																						0.83
1575																						1.00
1579		•																				0.33
1579 Merrick 10.68 0.0517 0.011 42.73 4.0 0.76 6 14 0.750 1.05																						0.44
1882													_									1.00
1883. Author 19.00 19.0570 19.099 20.090 20.79 2.5 2.7 2.0																						0.44
1884													•									
1585.																						
1889. Union 10.66 0.0378 0.003 50.42 1.6 0.10 2 6 1.00 1698 Christophe 11.20 0.0938 0.024 24.98 2.7 0.39 2 3 1.05 1.0													1 0									1.00
1590																						
1594													*									
1594. Danjon 12.20 0.1743 0.017 11.50 0.5 0.10 0.71 1703 Barry 12.40 0.2187 0.026 9.41 0.5 0.10 0.10 0.1																						
1595																						
1596													•									
1598. Paloque 12,0 01,299 0,022 13,39 1,0 0,10 2 3 0,00 1712. Aragola 9,80 0,0600 0,005 9,48 2,3 1,00 2 2 5 1,0 1,0		-																				
159 160 150		-																				
1604		*											-									
Fig.																						1.00
Holston Hols																						
1609		-																				1.00
1619																						1.00
1613																						1.00
1614																						1.00
1615		•																				0.60
1616 Filipoff 11.50 0.0751 0.011 24.31 1.7 0.10 2 3 1.00 1734 Zhongolovich 11.70 0.0456 0.004 28.47 1.1 0.10 6 16 1.00 1618 Dawn 11.50 0.1157 0.024 19.59 1.7 0.10 2 2 0.33 1735 ITA 9.40 0.0790 0.007 62.34 2.4 0.10 3 9 1.00																						0.83
1618																						1.00
1620 Geographos 15.60 0.3258 0.051 1.77 0.1 0.10 2 3 1.00 1742 Schaifers 11.20 0.1446 0.025 20.11 1.6 0.10 2 3 0.55 1.621 0.10 0.1454 0.025 0.10 1.728 1.4 0.10 3 5 0.75 0.1628 0.1621 0.1624 0.005 0.003																						1.00
1621																						1.00
1628 Strobel 10.02 0.0532 0.003 57.12 1.7 0.18 4 12 1.00 1746 Brouwer 9.95 0.0448 0.008 64.25 4.9 0.10 1 2 0.17 1747 Wright 13.35 0.2005 0.043 6.35 0.6 0.10 2 2 0.2 0.2 1.2 0.0 1749 Telamon 9.20 0.0562 0.011 81.06 7.0 0.10 2 2 0.3 1631		Geographos	15.60										Schaifers	11.20	0.1446		20.11	1.6	0.10			0.50
1629																						0.75
1630 Milet 11.20 0.1459 0.021 20.03 1.3 0.10 4 12 1.00 1749 Telamon 9.20 0.0562 0.011 81.06 7.0 0.10 2 2 0.3 1631 Kopff 12.20 0.2497 0.074 9.66 1.2 0.10 1 2 0.50 1754 Cunningham 9.77 0.0345 0.002 79.52 1.7 0.10 8 2 1.0 1632 Siebohme 11.30 0.0748 0.013 26.70 2.0 0.10 1 2 0.50 1755 Lorbach 10.77 0.1117 0.013 27.90 1.5 0.10 4 5 0.4 1633 Chimay 10.50 0.0854 0.017 36.12 3.1 0.10 1 3 1.00 1760 Sandra 11.50 0.0345 0.00 35.89 3.5 0.77 5 14 1.0 1636																						0.33
1631 Kopff 12.20 0.2497 0.074 9.66 1.2 0.10 1 2 0.50 1754 Cunningham 9.77 0.0345 0.002 79.52 1.7 0.10 8 2 1.0 1632 Siebohme 11.30 0.0748 0.013 26.70 2.0 0.10 1 2 0.50 1755 Lorbach 10.77 0.1117 0.013 27.90 1.5 0.10 4 5 0.4 1633 Chimay 10.50 0.0854 0.017 36.12 3.1 0.10 1 3 1.00 1760 Sandra 11.50 0.0345 0.008 35.89 3.5 0.77 5 14 1.0 1636 Porter 13.10 0.1197 0.027 9.22 0.9 0.10 2 2 0.25 1764 Cogshall 11.20 0.0852 0.015 26.21 2.0 0.53 5 11 0.8 1637 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.25</td>									-				-									0.25
1632 Siebohme 11.30 0.0748 0.013 26.70 2.0 0.10 1 2 0.50 1755 Lorbach 10.77 0.1117 0.013 27.90 1.5 0.10 4 5 0.4 1633 Chimay 10.50 0.0854 0.017 36.12 3.1 0.10 1 3 1.00 1760 Sandra 11.50 0.0345 0.008 35.89 3.5 0.77 5 14 1.0 1636 Porter 13.10 0.1197 0.027 9.22 0.9 0.10 2 2 0.25 1764 Cogshall 11.20 0.0852 0.015 26.21 2.0 0.53 5 11 0.8 1637 Swings 10.80 0.0415 0.004 45.15 1.9 0.10 3 8 0.50 1765 Wrubel 9.92 0.1061 0.02 2.3 0.10 2 2 0.3 1645 Tana	1630	Milet											Telamon	9.20	0.0562							0.33
1633	1631	Kopff	12.20	0.2497	0.074	9.66	1.2		1		0.50	1754	Cunningham	9.77	0.0345	0.002	79.52	1.7	0.10	8	2	1.00
1636 Porter 13.10 0.1197 0.027 9.22 0.9 0.10 2 2 0.25 1764 Cogshall 11.20 0.0852 0.015 26.21 2.0 0.53 5 11 0.8 1637 Swings 10.80 0.0415 0.004 45.15 1.9 0.10 3 8 0.50 1765 Wrubel 9.92 0.1061 0.028 42.33 4.7 0.93 8 21 1.0 1639 Bower 10.98 0.0541 0.013 36.41 3.7 0.39 3 7 0.50 1768 Appenzella 12.70 0.0338 0.009 20.86 2.3 0.10 2 2 0.3 1641 Tana 11.40 0.0739 0.015 25.66 2.3 0.44 6 14 1.00 1771 Makover 10.10 0.002 56.72 1.2 0.10 5 15 0.8 1645 Waterfield<	1632	Siebohme	11.30	0.0748	0.013	26.70	2.0	0.10	1	2	0.50	1755	Lorbach	10.77	0.1117	0.013	27.90	1.5	0.10	4	5	0.40
1637 Swings 10.80 0.0415 0.004 45.15 1.9 0.10 3 8 0.50 1765 Wrubel 9.92 0.1061 0.028 42.33 4.7 0.93 8 21 1.0 1639 Bower 10.98 0.0541 0.013 36.41 3.7 0.39 3 7 0.50 1768 Appenzella 12.70 0.0338 0.009 20.86 2.3 0.10 2 2 0.3 1641 Tana 11.40 0.0739 0.015 25.66 2.3 0.44 6 14 1.00 1771 Makover 10.10 0.0501 0.002 56.72 1.2 0.10 5 15 0.8 1645 Waterfield 10.70 0.0991 0.014 30.58 2.0 0.10 2 5 1.00 1776 Kuiper 11.00 0.0544 0.005 35.96 1.6 0.10 3 9 1.0 1654 <td>1633</td> <td>Chimay</td> <td>10.50</td> <td>0.0854</td> <td>0.017</td> <td>36.12</td> <td>3.1</td> <td>0.10</td> <td></td> <td></td> <td>1.00</td> <td>1760</td> <td>Sandra</td> <td>11.50</td> <td>0.0345</td> <td>0.008</td> <td>35.89</td> <td>3.5</td> <td>0.77</td> <td>5</td> <td>14</td> <td>1.00</td>	1633	Chimay	10.50	0.0854	0.017	36.12	3.1	0.10			1.00	1760	Sandra	11.50	0.0345	0.008	35.89	3.5	0.77	5	14	1.00
1639 Bower 10.98 0.0541 0.013 36.41 3.7 0.39 3 7 0.50 1768 Appenzella 12.70 0.0338 0.009 20.86 2.3 0.10 2 2 0.3 1641 Tana 11.40 0.0739 0.015 25.66 2.3 0.44 6 14 1.00 1771 Makover 10.10 0.0501 0.002 56.72 1.2 0.10 5 15 0.8 1645 Waterfield 10.70 0.0991 0.014 30.58 2.0 0.10 2 5 1.00 1776 Kuiper 11.00 0.0544 0.005 35.96 1.6 0.10 3 9 1.0 1650 Heckmann 11.56 0.0497 0.005 29.07 1.4 0.10 2 6 1.00 1780 Kippes 10.68 0.1212 0.017 27.92 1.8 0.23 8 17 0.8 1654 Bojeva 10.80 0.1162 0.018 26.98 </td <td>1636</td> <td>Porter</td> <td>13.10</td> <td>0.1197</td> <td>0.027</td> <td>9.22</td> <td>0.9</td> <td>0.10</td> <td>2</td> <td>2</td> <td>0.25</td> <td>1764</td> <td>Cogshall</td> <td>11.20</td> <td>0.0852</td> <td>0.015</td> <td>26.21</td> <td>2.0</td> <td>0.53</td> <td>5</td> <td>11</td> <td>0.83</td>	1636	Porter	13.10	0.1197	0.027	9.22	0.9	0.10	2	2	0.25	1764	Cogshall	11.20	0.0852	0.015	26.21	2.0	0.53	5	11	0.83
1641 Tana 11.40 0.0739 0.015 25.66 2.3 0.44 6 14 1.00 1771 Makover 10.10 0.0501 0.002 56.72 1.2 0.10 5 15 0.8 1645 1.645 10.70 0.0991 0.014 30.58 2.0 0.10 2 5 1.00 1776 Kuiper 11.00 0.0544 0.005 35.96 1.6 0.10 3 9 1.0 1650 11.56 0.0497 0.005 29.07 1.4 0.10 2 6 1.00 1780 Kippes 10.68 0.1212 0.017 27.92 1.8 0.23 8 17 0.8 1654 1.08 0.1162 0.018 26.98 1.9 0.10 1 3 0.50 1783 Albitskij 11.80 0.0738 0.019 21.36 2.4 0.31 2 3 0.3 1655 1.09 13.16 0.0726 0.011 30.57 2.1 0.10 3 3 0.50 1784 </td <td>1637</td> <td>Swings</td> <td>10.80</td> <td>0.0415</td> <td>0.004</td> <td>45.15</td> <td>1.9</td> <td>0.10</td> <td>3</td> <td>8</td> <td>0.50</td> <td>1765</td> <td>Wrubel</td> <td>9.92</td> <td>0.1061</td> <td>0.028</td> <td>42.33</td> <td>4.7</td> <td>0.93</td> <td>8</td> <td>21</td> <td>1.00</td>	1637	Swings	10.80	0.0415	0.004	45.15	1.9	0.10	3	8	0.50	1765	Wrubel	9.92	0.1061	0.028	42.33	4.7	0.93	8	21	1.00
1645 Waterfield 10.70 0.0991 0.014 30.58 2.0 0.10 2 5 1.00 1776 Kuiper 11.00 0.0544 0.005 35.96 1.6 0.10 3 9 1.0 1650 Heckmann 11.56 0.0497 0.005 29.07 1.4 0.10 2 6 1.00 1780 Kippes 10.68 0.1212 0.017 27.92 1.8 0.23 8 17 0.8 1654 Bojeva 10.80 0.1162 0.018 26.98 1.9 0.10 1 3 0.50 1783 Albitskij 11.80 0.0738 0.019 21.36 2.4 0.31 2 3 0.3 1655 Comas Sola 11.04 0.0726 0.011 30.57 2.1 0.10 3 3 0.50 1784 Benguella 12.30 0.0763 0.014 16.68 1.3 0.10 2 2 0.3 1656 Suomi 13.16 0.1556 0.032	1639	Bower	10.98	0.0541	0.013	36.41	3.7	0.39	3	7	0.50	1768	Appenzella	12.70	0.0338	0.009	20.86	2.3	0.10	2	2	0.33
1650 Heckmann 11.56 0.0497 0.005 29.07 1.4 0.10 2 6 1.00 1780 Kippes 10.68 0.1212 0.017 27.92 1.8 0.23 8 17 0.8 1654 Bojeva 10.80 0.1162 0.018 26.98 1.9 0.10 1 3 0.50 1783 Albitskij 11.80 0.0738 0.019 21.36 2.4 0.31 2 3 0.3 1655 Comas Sola 11.04 0.0726 0.011 30.57 2.1 0.10 3 3 0.50 1784 Benguella 12.30 0.0763 0.014 16.68 1.3 0.10 2 2 0.3 1656 Suomi 13.16 0.1556 0.032 7.86 0.7 0.10 2 3 0.22 1791 Patsayev 11.80 0.0509 0.007 25.71 1.6 0.10 4 4 0.06	1641	Tana	11.40	0.0739	0.015	25.66	2.3	0.44	6	14	1.00	1771	Makover	10.10	0.0501	0.002	56.72	1.2	0.10	5	15	0.83
1650 Heckmann 11.56 0.0497 0.005 29.07 1.4 0.10 2 6 1.00 1780 Kippes 10.68 0.1212 0.017 27.92 1.8 0.23 8 17 0.8 1654 Bojeva 10.80 0.1162 0.018 26.98 1.9 0.10 1 3 0.50 1783 Albitskij 11.80 0.0738 0.019 21.36 2.4 0.31 2 3 0.3 1655 Comas Sola 11.04 0.0726 0.011 30.57 2.1 0.10 3 3 0.50 1784 Benguella 12.30 0.0763 0.014 16.68 1.3 0.10 2 2 0.3 1656 Suomi 13.16 0.1556 0.032 7.86 0.7 0.10 2 3 0.22 1791 Patsayev 11.80 0.0509 0.007 25.71 1.6 0.10 4 4 0.06		Waterfield	10.70	0.0991	0.014	30.58	2.0	0.10	2	5	1.00	1776	Kuiper	11.00	0.0544	0.005	35.96	1.6	0.10	3	9	1.00
1654 Bojeva 10.80 0.1162 0.018 26.98 1.9 0.10 1 3 0.50 1783 Albitskij 11.80 0.0738 0.019 21.36 2.4 0.31 2 3 0.3 1655 Comas Sola 11.04 0.0726 0.011 30.57 2.1 0.10 3 3 0.50 1784 Benguella 12.30 0.0763 0.014 16.68 1.3 0.10 2 2 0.3 1656 Suomi 13.16 0.1556 0.032 7.86 0.7 0.10 2 3 0.22 1791 Patsayev 11.80 0.0509 0.007 25.71 1.6 0.10 4 4 0.60	1650	Heckmann	11.56	0.0497	0.005	29.07	1.4	0.10	2	6	1.00			10.68	0.1212	0.017	27.92	1.8	0.23	8	17	0.89
1655 Comas Sola 11.04 0.0726 0.011 30.57 2.1 0.10 3 3 0.50 1784 Benguella 12.30 0.0763 0.014 16.68 1.3 0.10 2 2 0.3 1656 Patsayev 11.80 0.0509 0.007 25.71 1.6 0.10 4 4 0.60		Bojeva	10.80	0.1162	0.018	26.98	1.9	0.10		3	0.50			11.80	0.0738	0.019	21.36	2.4	0.31	2	3	0.33
1656 Suomi 13.16 0.1556 0.032 7.86 0.7 0.10 2 3 0.22 1791 Patsayev 11.80 0.0509 0.007 25.71 1.6 0.10 4 4 0.6		•											•									0.33
· · · · · · · · · · · · · · · · · · ·			13.16											11.80		0.007	25.71					0.67
1659 Punkaharju 10.10 0.1654 0.035 31.21 2.9 0.33 2 4 0.67 1794 Finsen 11.08 0.0469 0.006 37.31 2.3 0.10 2 5 0.6						31.21	2.9	0.33	2	4	0.67			11.08	0.0469		37.31			2	5	0.67

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
1795	Woltjer	11.80	0.0459	0.004	27.09	1.1	0.10	3	8	1.00	1960	Guisan	11.93	0.0496	0.005	24.55	1.2	0.43	3	5	1.00
1796	Riga	9.84	0.0376	0.002	73.83	1.8	0.10	4	12	1.00	1961	Dufour	10.60	0.0402	0.003	50.31	1.6	0.10	8	20	1.00
1799	Koussevitzky	10.90	0.1426	0.034	23.26	2.4	0.10	1	2	0.50	1963	Bezovec	10.91	0.0383	0.002	44.67	1.1	0.10	11	31	1.00
1801	Titicaca	11.00	0.1309	0.032	23.18	2.4	0.10	1	2	0.20	1969	Alain	11.60	0.0682	0.016	24.37	2.4	0.10	2	2	0.29
1805	Dirikis	11.00	0.1065	0.026	25.70	2.7	0.10	1	2	0.25	1970	Sumeria	12.00	0.0585	0.013	21.88	2.0	0.10	2	2	0.40
1808	Bellerophon	12.10	0.1076	0.011	15.41	0.7	0.10	5	6	0.71	1984	Fedynskij	11.10	0.0445	0.005	37.98	1.9	0.22	5	14	1.00
1812	Gilgamesh	11.30	0.1450	0.027	19.18	1.6	0.10	2	2	0.29	1985	Hopmann	10.80	0.0671	0.014	35.51	3.1	0.10	2	6	1.00
	Imhotep	11.60	0.0662		24.73	1.6	0.10	1	3	1.00	1994	Shane	11.60	0.0640	0.003	25.15	0.6	0.10	7	19	1.00
	Beethoven	11.36	0.0548	0.009	30.36	2.2	0.10	3	5	0.60	1997	Leverrier	13.40	0.1662	0.040	6.81	0.7	0.10	2	2	1.00
	Katanga	11.80	0.1331		15.90	1.0	0.40	7	14	1.00	1999	Hirayama	10.60	0.0882	0.012	33.95	2.1	0.10	1	3	1.00
	Laputa	10.20	0.0614		48.92	5.6	0.76	2	4	1.00	2002	Euler	12.10	0.0839	0.015	17.44	1.4	0.10	2	3	1.00
	Miller	10.90	0.1294		24.41	1.9	0.10	2	4	0.50	2007		11.80	0.0703	0.007	21.88	1.0	0.10	4	9	1.00
	Kashirina	10.90	0.0995		27.85	1.1	0.10	2	5	1.00	2008	Konstitutsiya	10.30	0.0531	0.003	50.26	1.2	0.10	6	17	1.00
	Mrkos	11.00	0.0742	0.013	30.78	2.4	0.10	2	4	0.67	2009	Voloshina	10.80	0.0698	0.009	34.82	2.1	0.10	2	4	0.50
	Ursa	10.60	0.0836		34.87	1.6	0.10	2	4	1.00	2016	Heinemann	11.40	0.1019	0.013	21.85	1.3	0.91	4	10	0.80
	Masaryk	10.80	0.0398		46.07	2.5	0.10	3	6	1.00	2020	Ukko	11.40	0.1051	0.020	21.52	1.8	0.10	2	2	0.40
	Jarmila	11.60	0.0611		25.74	0.8	0.10	8	24	1.00	2025	Nortia	10.50	0.0689	0.008	40.23	2.1	0.10	2	6	1.00
	Bengt	13.10	0.0781		11.41	0.9	0.10	3	3	0.75	2032	Ethel	11.90	0.0233	0.003	36.31	1.8	0.10	3	6	0.60
	Stobbe		0.1231		23.90	1.7	0.10	2	3	1.00	2038	Bistro	12.30	0.1342	0.030	12.58		0.10	1	2	0.07
	Lacroute	12.30	0.0745		16.89	0.9	0.10	3	6	0.60	2041	Lancelot	12.20	0.1303	0.026	13.37	1.2	0.10	1	2	1.00
	Carpenter		0.1224		22.89	1.9	0.10	2	2	0.50	2043	Ortutay	10.80	0.0423	0.006	44.69	3.0	0.41	5	10	1.00
	McElroy	10.50	0.2494		21.14	1.0	0.10	5	7	1.00	2044	Wirt	13.30	0.1907	0.038	6.66	0.6	0.10	1	2	0.33
	Kovalevskaya	10.20	0.0694		46.02	1.6	0.10	6	14	1.00	2052	Tamriko		0.1225	0.020	30.45	2.2	0.10	2	3	0.50
	Deiphobus	8.61	0.0422		122.67	3.9	0.10	3	7	1.00	2057	Rosemary	11.90	0.1185	0.018	16.10	1.1	0.10	1	3	0.17
	Agenor	10.50	0.0422		53.76	4.4	0.10	3	3	0.75	2058	Roka	11.00	0.1163	0.016	21.36	3.1	0.58	3	3	0.75
	McCrosky	12.10	0.1025		15.78	1.5	0.10	2	2	0.15	2064	Thomsen	13.10	0.0549	0.015	13.61	1.6	0.10	1	2	0.14
	Skip	11.70	0.2934		11.22	0.6	0.10	3	5	0.43	2067	Aksnes	10.48	0.0626	0.006	42.59	2.0	0.43	2	4	1.00
	Pakhmutova		0.0752		33.53	1.8	0.10	1	3	1.00	2068	Dangreen	11.50	0.0393	0.002	33.61	0.9	0.10	5	14	1.00
	Konoshenkova	10.80	0.0732		25.68	1.3	0.10	5	11	0.83	2069	Hubble	11.10	0.0538	0.002	34.53	2.3	0.58	6	18	1.00
	Larink	11.80	0.1099		17.51	1.7	0.10	1	2	0.33	2081	Sazava	12.14		0.008	22.67	1.7	0.40	5	7	0.83
	Moravia	11.20	0.0801		27.03	4.2	0.16	2	2	0.33	2084	Okayama	12.14	0.0621	0.008	19.37	2.3	0.96	7	14	0.88
	Shaposhnikov	9.51			96.86	3.2	0.10	2	6	1.00	2091	•		0.0021	0.016	30.48	1.3	0.10	6	11	0.67
	Massevitch		0.0230		18.19	1.8	0.10	1	2	0.33	2094	Sampo Magnitka	12.00	0.1382	0.014	12.69	1.1	0.10	2	2	0.07
	Pobeda	11.70	0.1013		21.77	1.8	0.10	2	2	1.00	2103	Laverna	10.80	0.1739	0.033	22.81	2.0	0.10	2	2	0.50
	Alekhin		0.0779		17.42	1.5	0.10	7	15	1.00	2105	Gudy	11.30	0.1023	0.003	22.25	0.7	0.10	8	20	1.00
	Schubart	10.11	0.0700		80.09	2.0	0.83	4	11	1.00	2107	Ilmari	11.40	0.1078	0.007	15.63	1.4	0.10	2	3	0.20
	Osiris		0.0249		13.11	0.8	0.10	3	5	0.60	2107	Otto Schmidt	11.50	0.1332	0.040	19.11	1.4	0.10	2	5	0.20
	Horus	13.10 12.80	0.0391		12.28	0.8	0.10	3	6	0.75			11.10	0.1213	0.017	27.67	2.3	0.10	1	2	0.07
	Lucifer	10.90	0.1058		27.00	3.2	0.10	6	15	1.00	2114	Wallenquist		0.0838	0.010	21.07	1.8	0.10		2	0.23
								5		0.42	2115	Irakli Mtalahata	11.00			19.85		0.10	2	14	1.00
	Jeffers	12.80	0.3216		6.46	0.4	0.40		11		2116	Mtskheta	12.10	0.0648	0.006		0.8		6		
	Lugano	11.10	0.1042		24.81	0.8	0.10	5	12	1.00	2120	Tyumenia	10.40	0.0721	0.009	41.18	2.4	0.68	4	12	1.00
	Locarno	11.90	0.1786		13.11	1.3	0.53	4	6	0.33	2123	Vltava	11.50	0.2135	0.046	14.42	1.3	0.10	2	2	0.67
	Loretta	10.80	0.0942		29.96	1.7	0.10	3	6	0.75	2125	Karl-Ontjes	12.40	0.1033	0.020	13.69	1.2	0.10	1	2	0.25
	Whipple	11.00	0.0613		33.87	1.3	0.10	10	23	1.00	2127	Tanya	10.70	0.0601	0.005	39.28	1.5	0.10	6	17	1.00
	Jablunka	13.00	0.0567		14.02	0.8	0.10	1	2	0.50	2131	Mayall	12.72	0.2391	0.031	7.77	0.5	0.10	3	3	0.75
	Iso-Heikkila	10.80	0.0976		29.44	1.7	0.10	2	4	1.00	2132	Zhukov	11.40	0.0593	0.015	28.66	3.0	0.41	3	4	0.50
	Lick	14.51	0.0895		5.57	0.5	0.10	2	3	0.29	2137	Priscilla	11.10	0.0382	0.005	41.01	2.3	0.10	2	6	1.00
	Hesburgh	10.32	0.1041	0.009	35.55	1.4	0.10	6	15	0.86	2140	Kemerovo	10.90	0.0887	0.011	29.49	1.6	0.10	3	4	1.00
1958	Chandra	10.70	0.0801	0.013	34.02	2.5	0.10	2	3	0.50	2145	Blaauw	10.60	0.0869	0.010	34.20	1.9	0.96	4	10	1.00

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ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	P_{χ}	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
2147	Kharadze	11.70	0.0439	0.008	28.99	2.4	0.10	1	2	0.17	2297	Daghestan	11.00	0.1057	0.018	25.80	2.0	0.30	7	11	1.00
2152	Hannibal	10.50		0.002	46.87	1.0	0.10	10	29	1.00	2304	Slavia	12.40	0.1372	0.027	11.88	1.0	0.10	2	2	0.18
2153	Akiyama	11.90	0.1089	0.020	16.79	1.4	0.10	2	2	1.00	2306	Bauschinger	11.40	0.1076	0.023	21.27	1.9	0.10	2	2	0.33
2169	Taiwan	12.00	0.0991	0.021	16.81	1.5	0.10	2	2	1.00	2307	Garuda	10.90	0.0454	0.003	41.22	1.3	0.10	5	14	1.00
2171	Kiev	13.60	0.0774	0.019	9.11	0.9	0.10	2	2	0.29	2308	Schilt	11.80	0.1094	0.011	17.54	0.8	0.15	8	18	0.89
2177	Oliver	11.30	0.1279	0.034	20.42	2.2	0.10	1	2	0.25	2309	Mr. Spock	11.30	0.1177	0.020	21.29	1.6	0.10	1	3	0.50
2179	Platzeck	11.50	0.1149	0.023	19.65	1.7	0.10	1	2	0.50	2310	Olshaniya	11.30	0.0498	0.011	32.73	3.1	0.10	3	3	0.33
2182	Semirot	11.30	0.0845	0.014	25.13	1.9	0.10	1	2	0.25	2311	El Leoncito	10.52	0.0388	0.005	53.14	3.0	0.15	4	10	0.67
2184	Fujian	11.50	0.0642	0.014	26.28	2.4	0.25	4	4	1.00	2312	Duboshin	10.18	0.0496	0.006	54.94	3.1	0.10	3	6	1.00
2185	Guangdong	11.30	0.1840	0.041	17.03	1.6	0.10	1	2	0.25	2313	Aruna	12.90	0.0506	0.008	15.54	1.1	0.10	2	3	0.67
2191	Uppsala	11.30	0.1734	0.029	17.54	1.3	0.10	2	3	0.40	2315	Czechoslovakia	10.70	0.1686	0.018	23.45	1.1	0.10	2	5	1.00
2196	Ellicott	10.25	0.0400	0.003	59.21	1.9	0.10	2	6	1.00	2320	Blarney	10.50	0.0740	0.012	38.81	2.9	0.36	7	11	1.00
2197	Shanghai	11.20			22.36	1.8	0.10	2	2	0.67	2321	Luznice	11.50	0.1421	0.028	17.67	1.5	0.10	2	2	1.00
2201	Oljato	15.25	0.4328	0.030	1.80	0.1	0.10	4	11	0.67	2322	Kitt Peak	12.70	0.0571	0.009	16.04	1.1	0.10	2	4	0.50
2204	Lyyli	12.70	0.0232	0.005	25.16	2.4	0.83	4	11	0.80	2326	Tololo	11.10	0.0384	0.003	40.89	1.6	0.10	15	41	1.00
2207	Antenor	8.89	0.0678	0.006	85.11	3.7	0.10	5	9	1.00	2330	Ontake	11.30	0.0488	0.007	33.05	2.1	0.20	3	5	0.75
2208	Pushkin	10.96	0.0497	0.008	38.31	2.8	0.99	5	12	1.00	2332	Kalm	10.60	0.1162	0.016	29.58	1.9	0.10	3	6	0.75
2209	Tianjin	10.90	0.2854	0.049	16.44	1.2	0.10	2	4	0.40	2333	Porthan	11.50	0.0952	0.014	21.59	1.4	0.10	3	4	0.50
2214	Carol	12.00	0.0440	0.004	25.22	1.1	0.10	6	15	1.00	2345	Fucik	10.80	0.1192	0.019	26.63	1.9	0.10	2	3	0.40
2215	Sichuan	11.90	0.1398	0.028	14.82	1.3	0.10	1	2	0.33	2349	Kurchenko	11.90	0.0663	0.026	21.52	3.3	0.61	2	2	0.40
2217	Eltigen	10.80	0.1242	0.020	26.10	1.9	0.10	2	4	1.00	2355	Nei Monggol	11.40	0.1692	0.032	16.96	1.4	0.10	2	3	0.33
2218	Wotho	11.20			29.49	1.3	0.10	9	16	0.90	2356	Hirons	10.80	0.0401	0.003	45.94	1.8	0.10	5	10	1.00
2219	Mannucci	10.70	0.0594	0.008	39.49	2.5	0.10	2	5	1.00	2357	Phereclos	8.94	0.0521	0.005	94.90	4.3	0.10	2	4	0.50
2222	Lermontov	11.40	0.0761	0.022	25.29	3.0	0.86	2	6	1.00	2363	Cebriones	9.11	0.0599	0.008	81.84	5.1	0.10	4	9	1.00
2223	Sarpedon	9.41	0.0340		94.63	4.0	0.10	4	11	1.00	2370		12.60	0.0899	0.018	13.38	1.2	0.10	3	3	0.50
2224	Tucson	11.10	0.1242		22.73	2.2	0.10	2	2	0.25	2372	Proskurin	11.60	0.0780	0.011	22.77	1.5	0.10	2	3	1.00
2235	Vittore	10.70	0.0469	0.006	44.45	2.5	0.10	4	11	0.80	2376	Martynov	10.90	0.0536	0.004	37.92	1.3	0.10	5	15	1.00
2237	Melnikov	11.30	0.1265		20.54	1.1	0.10	4	8	1.00	2378	Pannekoek	10.70	0.0891	0.016	32.26	2.5	0.10	1	3	1.00
2238	Steshenko	11.90	0.0937	0.016	18.10	1.3	0.10	3	5	0.75	2379	Heiskanen	10.90	0.0772	0.018	31.60	3.2	0.50	4	7	0.44
2239	Paracelsus	11.50			38.93	1.7	0.10	8	20	0.89	2381	Landi	11.40	0.3358	0.056	12.04	0.9	0.10	2	2	0.25
2240	Tsai	11.80	0.0544		24.87	2.2	0.10	2	4	0.50	2386	Nikonov	12.20	0.1456	0.029	12.65	1.1	0.10	2	2	0.29
2241	Alcathous	8.64	0.0471	0.005	114.63	5.8	0.10	1	3	0.33	2390	Nezarka	12.20	0.0450	0.011	22.74	2.4	0.10	1	2	0.25
2245	Hekatostos	11.30	0.0622		29.28	1.0	0.10	4	10	1.00	2393	Suzuki	10.50	0.0471	0.008	48.66	3.6	0.98	7	21	0.88
2246	Bowell	10.56			44.21	3.2	0.10	3	6	0.60	2405	Welch	12.09	0.0399	0.005	25.43	1.6	0.10	3	5	0.60
2248	Kanda	11.20	0.0930		25.08	2.0	0.10	2	3	0.20	2408	Astapovich	12.50	0.0407	0.005	20.83	1.3	0.10	3	4	0.75
2249	Yamamoto	11.00			44.71	3.1	0.94	5	13	1.00	2413	van de Hulst		0.1624	0.032	22.82	2.0	0.10	1	2	0.33
2251	Tikhov	11.40	0.0697		26.42	1.5	0.10	4	7	1.00	2414	Vibeke	11.70	0.0369	0.006	31.62	2.2	0.53	6	17	1.00
2255	Qinghai	11.30	0.1018		22.90	1.6	0.20	2	4	1.00	2421	Nininger	10.80	0.0559	0.005	38.89	1.7	0.10	6	15	0.75
2258	Viipuri	11.40	0.0883		23.47	1.4	0.10	3	4	1.00	2426	Simonov	11.40	0.0842	0.014	24.04	1.8	0.10	2	3	1.00
2259	Sofievka	12.60	0.0365		21.00	2.1	0.10	1	2	0.33	2428	Kamenyar	11.00	0.0864	0.007	28.54	1.1	0.10	5	10	1.00
2260	Neoptolemus	9.31	0.0650		71.65	3.4	0.10	5	7	1.00	2439	Ulugbek	11.50	0.1065	0.012	20.41	1.0	0.10	5	9	1.00
2263	Shaanxi	10.90	0.1803	0.020	20.68	1.0	0.10	7	12	1.00	2441	Hibbs	13.90	0.1003	0.012	9.93	0.8	0.10	2	3	0.67
2264	Sabrina		0.1472		27.52	1.3	0.10	5	11	1.00	2443	Tomeileen		0.0494	0.009	30.89	1.6	0.10	2	6	1.00
2266	Tchaikovsky	10.30	0.0384	0.014	46.94	6.2	0.10	3	6	1.00	2448	Sholokhov	10.20	0.1341	0.017	30.24	2.9	0.10	5	14	1.00
2269	Efremiana		0.0364		22.92	1.6	0.30	3	3	0.50	2456	Palamedes	9.60	0.1337	0.030	91.66	3.1	0.00	6	12	0.86
2271	Kiso		0.2123		32.37	4.1	0.10	3	6	0.75	2458	Veniakaverin	11.80	0.0584	0.002	24.01	1.4	0.10	3	4	0.43
		12.97			15.53		0.96	3	5	0.73					0.007	23.66	3.4	1.00		6	0.43
2279	Barto		0.0475	0.007	15.53 34.57	1.1 1.4	0.10	4	5 7	1.00	2459	Spellmann Clavel	12.00	0.0500	0.018	23.66		0.10	5 4	8	0.63
2291	Kevo Matuaavalsii	10.80	0.0708								2461		11.40	0.0835			1.0				
2295	Matusovskij	12.00	0.0632	0.014	21.05	2.0	0.10	1	2	0.50	2463	Sterpin	11.80	0.2831	0.052	10.91	0.9	0.10	1	2	1.00

TABLE 5—Continued

2476	ID	Name	H	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	H	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
2476 Andersen 10.90 0.106 0.026 21.32 1.5 0.31 5 9 0.71 2753 Dunchen 12.30 0.060 0.009 17.93 1.1 0.10 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 1.00 2 2 3 3 3 3 3 3 3 3	2465	Wilson	12.00	0.0706	0.013	19.91	1.7	0.10		2	1.00	2734	Hasek	11.40	0.0958	0.017	2254	1.8	0.10	2	2	0.33
2489 Surfavore 10.80 0.413 0.0975 0.014 2.39 3.81 0.99 4.6 1.00 2750 Cinscense 11.30 0.125 0.017 10.01 0.015 0.01 0.10 2.5 1.00 0.02 2.00 0.	2474	Ruby	11.80	0.1064	0.047	17.79	3.0	1.00	7	17	1.00	2747	Cesky Krumlov	11.60	0.0380	0.004	32.63	1.8	0.10	2	5	1.00
2494	2476	Andersen	10.90	0.1696	0.026	21.32	1.5	0.31	5	9	0.71	2753	Duncan	12.30	0.0660	0.009	17.93	1.1	0.10	2	3	1.00
1962 1962 1963 1964 1965	2483	Guinevere	10.80	0.0433	0.009	44.17	3.9	0.10	1	2	0.20	2757	Crisser	11.30	0.1423	0.017	19.36	1.0	0.10	2	4	1.00
2012 Nammela 11.0 01.49 0.65 0.65 2.4 0.70 0.105 0.70 0.105 0.005 0	2492	Kutuzov	11.30	0.0975	0.041	23.39	3.8	0.99	4	6	1.00	2759	Idomeneus	9.80	0.0571	0.011	61.01	5.3	0.10	1	2	0.33
2513	2494	Inge	10.60	0.0329	0.002	55.61	1.8	0.10	2	6	1.00	2760	Kacha	10.04	0.0508	0.010	57.90	5.0	1.00	5	12	1.00
2512.	2502	Nummela	11.70	0.1349	0.051	16.54	2.4	0.92	4	8	0.67	2774	Tenojoki	11.10	0.0506	0.009	35.60	2.9	0.60	4	11	1.00
Second Color	2512	Tavastia	12.70	0.1057	0.024	11.79	1.2	0.10	1	2	0.13	2793	Valdaj	10.80	0.1100	0.033	27.73	3.4	0.41	2	3	1.00
Secondary Seco	2513	Baetsle	13.40	0.0278	0.007	16.67	1.8	0.10	1	2	0.25	2797	Teucer	8.40	0.0624	0.005	111.14	4.1	0.10	6	11	0.86
2534	2522	Triglav	11.60	0.0964	0.022	20.49	2.0	0.10	2	2	0.29	2804	Yrjo	11.70	0.0708	0.016	22.84	2.2	0.10	1	2	0.17
2334 Moureau 10,90 0,074 0,090 0,104 0,090 0,105 1,0 0,10 2 2 0,67 2816	2524	Budovicium	10.90	0.0783	0.009	31.39	1.6	0.10	5	6	0.63	2813	Zappala	11.00	0.0663	0.008	32.57	1.8	0.10	3	9	1.00
2544. Calpurnia 1.090 0.0794 0.016 31.16 2.8 0.10 2 3 0.50 2826	2531	Cambridge	10.90	0.2104	0.050	19.15	1.9	0.10	2	2	0.67			11.70	0.0769	0.014	21.91	1.8	0.10	1	3	1.00
2549. Suboda 12.30 0.2430 0.025 9.35 0.4 0.10 5 8 0.50 2886. Ngoma 12.10 0.0404 0.010 25.16 2.5 0.10 1 2 0.33 2.55 Svoboda 12.40 0.027 0.006 25.51 2.4 0.10 1 2 0.51 2.55 0.00 2866. Ngorehuk 11.30 0.0614 0.008 29.49 1.8 0.10 3 5 0.43 2866. Roser 11.00 0.1223 0.013 23.99 1.2 0.10 4 7 0.50 2.569 Madeline 11.20 0.0741 0.009 28.09 1.5 0.10 5 9 1.00 2866. Roser 11.00 0.1223 0.013 23.99 1.2 0.10 4 7 0.50 2.570 Porphyro 12.20 0.0277 0.004 27.99 1.7 0.10 3 4 0.00 28.65 Laurel 11.40 0.224 0.043 14.73 1.2 0.10 2 3 1.00 2.585 Harimaya-Bashi 10.50 0.1337 0.043 28.87 3.8 0.64 3 3 0.60 2865. Laurel 11.40 0.224 0.043 14.73 1.2 0.10 2 3 1.00 2.595 Guidachvili 1.20 0.0273 0.005 32.30 3.1 0.10 1 2 0.14 2879 2.570 1.2 0.0040 0.000 0.015 14.68 1.1 0.10 2 3 0.33 0.004 28.21 1.0 0.00 0.005 0.005 2.005	2534	Houzeau	10.90	0.0794	0.016	31.16	2.8	0.10	2	3	0.50		Ahti	10.80	0.0628	0.010	36.71	2.7	0.44	8	24	1.00
2549. Suboda 12.30 0.2430 0.025 9.35 0.4 0.10 5 8 0.50 2886. Ngoma 12.10 0.0404 0.010 25.16 2.5 0.10 1 2 0.33 2.55 Svoboda 12.40 0.027 0.006 25.51 2.4 0.10 1 2 0.51 2.55 0.00 2866. Ngorehuk 11.30 0.0614 0.008 29.49 1.8 0.10 3 5 0.43 2866. Roser 11.00 0.1223 0.013 23.99 1.2 0.10 4 7 0.50 2.569 Madeline 11.20 0.0741 0.009 28.09 1.5 0.10 5 9 1.00 2866. Roser 11.00 0.1223 0.013 23.99 1.2 0.10 4 7 0.50 2.570 Porphyro 12.20 0.0277 0.004 27.99 1.7 0.10 3 4 0.00 28.65 Laurel 11.40 0.224 0.043 14.73 1.2 0.10 2 3 1.00 2.585 Harimaya-Bashi 10.50 0.1337 0.043 28.87 3.8 0.64 3 3 0.60 2865. Laurel 11.40 0.224 0.043 14.73 1.2 0.10 2 3 1.00 2.595 Guidachvili 1.20 0.0273 0.005 32.30 3.1 0.10 1 2 0.14 2879 2.570 1.2 0.0040 0.000 0.015 14.68 1.1 0.10 2 3 0.33 0.004 28.21 1.0 0.00 0.005 0.005 2.005	2542	Calpurnia	11.40	0.0639	0.012	27.61	2.3	0.10	2	3	0.40	2829	Bobhope	10.30	0.0916	0.013	38.25	2.4	0.10	3	4	0.50
2556. Boyarchuk 12.40 0.0297 0.006 25.53 2.4 0.10 1 2 0.50 2846. Ylppo 10.70 0.1170 0.017 28.15 1.8 0.12 3 6 0.006 2563 Boyarchuk 11.30 0.0614 0.008 29.49 1.8 0.10 3 5 0.43 2856. Roser 11.00 0.1223 0.013 29.9 1.2 0.10 4 7 0.50 2560. Madeline 11.20 0.0741 0.009 28.09 1.5 0.10 5 0.45 2856. Roser 11.00 0.1223 0.013 29.9 1.2 0.10 4 7 0.50 2560. Madeline 11.20 0.0741 0.009 28.09 1.5 0.10 5 0.45 2856. Roser 11.00 0.1223 0.013 29.9 1.2 0.10 4 7 0.50 2560. Madeline 11.20 0.0741 0.009 28.09 1.5 0.10 5 0.45 2856. Roser 11.00 0.1223 0.013 29.9 1.2 0.10 2 3 1.00 2582. Harimaya-Bashi 10.50 0.1337 0.043 28.87 3.8 0.64 3 3 0.60 2872. Gentelec 11.40 0.224 0.043 14.68 1.1 0.10 2 3 3 0.33 20.50 2852. Harimaya-Bashi 12.20 0.0223 0.003 0.03 23.0 3.1 0.10 1 2 0.014 2879. Shimizu 11.70 0.0463 0.004 28.24 1.1 0.10 0 2 3 3 0.33 20.50 2802 1.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	2544	Gubarev	12.30	0.2430	0.025	9.35	0.4	0.10	5	8	0.50	2835		12.10	0.0404	0.010	25.16	2.5	0.10	1	2	0.33
2569. Madeline 11.20 0.0144 0.009 2.94 1.8 0.10 3 5 0.43 2.856. Roser 11.00 0.1223 0.013 2.99 1.2 0.10 4 6 0.67 0.000 2.000 1.20 0.000 0.000 1.20 0.000 0.000 1.20 0.000 0.000 1.20 0.000 0.000 0.000 1.20 0.000 0.000 1.20 0.000 0.000 0.000 1.20 0.0000 0.0000		Svoboda	12.40	0.0297	0.006	25.53	2.4	0.10	1	2	0.50	2846		10.70	0.1170	0.017	28.15	1.8	0.12	3	6	0.60
259 Madeline 11,20 0.0741 0.090 28,09 15 0.10 5 9 1,00 2864 Soderblom 12,50 0.0632 0.007 16,72 0.90 0.10 4 6 0.257 2570 Porphyro 12,20 0.0297 0.004 28,87 3.8 0.64 3 3 0.60 2872 Gentelec 11,00 0.0043 0.01 1 2 0.14 2879 Shimizu 11,10 0.0463 0.00 28,10 1 0.00		Boyarchuk	11.30	0.0614	0.008	29.49	1.8	0.10	3	5	0.43		* *	11.00	0.1223	0.013	23.99	1.2	0.10	4	7	0.50
2582		•	11.20	0.0741	0.009	28.09	1.5	0.10	5	9	1.00		Soderblom	12.50	0.0632	0.007	16.72	0.9	0.10	4	6	0.67
2582	2570	Porphyro	12.20	0.0297	0.004	27.99	1.7	0.10	3	4	0.60	2865	Laurel	11.40	0.2242	0.043	14.73	1.2	0.10	2	3	1.00
2595 Gudiachvili 1,220 0,0223 0,005 3,230 3,1 0,10 1 2 0,14 2,879 Shimizu 11,70 0,0463 0,004 28,24 1,11 0,10 7 1,7 1,00 2613 Plzen 11,220 0,0390 0,015 24,44 3.7 0,38 2 2 0,50 2893 Peiross 9,23 0,046 0,002 56,13 1,4 0,10 4 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0			10.50	0.1337	0.043	28.87	3.8	0.64		3	0.60		Gentelec	12.40	0.0900	0.015	14.68	1.1	0.10	2	3	0.33
2613		•																				
2615 Saito 12.20 0.0390 0.015 24.44 3.7 0.38 2 2 0.50 2893. Peiroos 9.23 0.0469 0.008 8.7.46 6.9 0.50 3 5 0.75 2 0.2617 Jiangxi 10.40 0.0441 0.008 52.65 4.3 0.43 3 8 1.00 2906 Caltech 10.00 0.0526 0.004 57.98 2.3 0.10 5 13 1.00 2632 Goto 10.70 0.0428 0.004 46.53 1.8 0.18 7 21 1.00 2906 Caltech 10.00 0.0526 0.004 57.98 2.3 0.10 5 13 1.00 2632 Guizhou 11.40 0.0576 0.006 29.07 1.4 0.10 4 7 1.00 2906 Caltech 10.00 0.0526 0.004 57.98 2.3 0.10 5 13 1.00 2632 Jianges Bradley 10.20 0.0923 0.014 39.91 2.7 0.10 2 4 0.40 2906 Caltech 10.00 0.0526 0.004 57.98 2.3 0.10 5 13 1.00 2634 Jianges Bradley 10.20 0.0923 0.014 39.91 2.7 0.10 2 4 0.40 2906 Caltech 10.00 0.0526 0.004 57.98 2.3 0.10 5 13 1.00 2644 Days and the secondary of the second		Plzen	11.20	0.0737	0.013	28.18			3	3	0.50		Filipenko	10.20	0.0466	0.002	56.13	1.4	0.10	4	12	1.00
261																				3		0.75
2621			10.40	0.0441	0.008	52.65	4.3	0.43	3	8				11.60		0.041	16.88	2.0	0.17	2	2	0.33
2632		-														0.004			0.10			1.00
2645 Daphne Plane 12.30 0.0923 0.014 39.91 2.7 0.10 2 4 4 0.40 2920 Automedon 8.80 0.0433 0.007 111.01 7.5 0.49 6 13 1.00 2645 Daphne Plane 12.30 0.0875 0.015 15.58 1.2 0.10 3 3 3 0.43 2933 Amber 11.70 0.0869 0.010 20.62 1.1 0.10 3 9 0.60 2646 Abetti 11.60 0.0808 0.017 22.38 2.1 0.10 2 2 0.22 2934 Aristophanes 11.20 0.0761 0.009 2.072 1.14 0.10 3 9 0.60 2642 2.1 0.10 2 2 0.22 2934 Aristophanes 11.20 0.0761 0.009 2.072 1.14 0.10 2 2 0.24 2659 Millis 11.66 0.0549 0.010 26.42 2.1 0.10 2 2 0.23 2950 Rousseau 11.90 0.1728 0.052 0.006 21.12 1.1 0.10 2 2 0.29 2.20 2.20 2.20 2.20 2.20 2.20		Guizhou	11.40			29.07			4	7	1.00					0.005	29.38	1.4	0.10	4	7	0.67
2645 Daphne Plane 12.30 0.0875 0.015 15.58 1.2 0.10 3 3 0.43 2933 Amber 11.70 0.0869 0.01 20.62 1.1 0.10 3 9 0.60 2644 Abetti 11.60 0.0808 0.017 22.38 2.1 0.10 2 2 0.22 2934 Aristophanes 11.20 0.0761 0.009 27.72 1.4 0.10 7 10 0.78 2659 Millis 11.66 0.0549 0.010 26.42 2.1 0.10 2 2 0.33 2950 Rousseau 11.90 0.045 13.33 1.5 0.19 2 2 0.33 2950 Rousseau 11.90 0.045 13.33 1.5 0.9 0.21 3 4 0.27 2951 Perepadin 10.00 0.0735 0.04 2 0.29 2051 Na 0.04 0.0721 0.08 2.01 0		James Bradley	10.20	0.0923	0.014	39.91	2.7	0.10	2	4	0.40			8.80	0.0433	0.007	111.01	7.5	0.49	6	13	1.00
2646	2645	Daphne Plane	12.30	0.0875	0.015	15.58	1.2	0.10	3	3	0.43	2933	Amber	11.70	0.0869	0.010	20.62	1.1	0.10	3	9	0.60
2654	2646		11.60	0.0808	0.017	22.38	2.1	0.10	2	2	0.22		Aristophanes	11.20	0.0761	0.009	27.72	1.4	0.10	7	10	0.78
2659																				2		
2660 Wasserman 12.10 0.2384 0.048 10.35 0.9 0.21 3 4 0.27 2951 Perepadin 10.00 0.0735 0.018 49.04 5.0 1.00 6 16 1.00 2667 Oikawa 12.20 0.0429 0.005 23.30 1.3 0.17 3 4 0.43 2957 Tatsuo 10.20 0.2235 0.043 25.64 2.2 0.10 2 2 0.29 2672 Pisek 11.70 0.0907 0.008 20.18 0.8 0.10 4 8 0.67 2959 Scholl 11.20 0.0503 0.006 34.11 19 0.91 0.0 2967 Vladisvyat 11.00 0.071 0.018 13.24 3.0 4 0.75 2687 Totali 11.89 0.217 0.038 11.95 0.9 0.10 3 3 0.43 2983 Poltava 11.20 0.064 0.07 30.86 </td <td></td> <td>*</td> <td>11.66</td> <td>0.0549</td> <td>0.010</td> <td>26.42</td> <td></td> <td>0.10</td> <td>2</td> <td>2</td> <td>0.33</td> <td></td> <td></td> <td></td> <td></td> <td>0.045</td> <td>13.33</td> <td>1.5</td> <td>0.19</td> <td>2</td> <td>2</td> <td>0.29</td>		*	11.66	0.0549	0.010	26.42		0.10	2	2	0.33					0.045	13.33	1.5	0.19	2	2	0.29
2667 Oikawa 12.20 0.0429 0.05 23.30 1.3 0.17 3 4 0.43 2957 Tatsuo 10.20 0.2235 0.043 25.64 2.2 0.10 2 2 0.29 2672 Pisek 11.70 0.0907 0.008 20.18 0.8 0.10 4 8 0.67 2959 Scholl 11.20 0.0503 0.006 34.11 1.9 0.91 3 4 0.75 2674 Pandarus 9.00 0.0461 0.003 98.10 3.2 0.10 6 11 1.00 2967 Vladisvyat 11.00 0.0721 0.018 31.24 3.3 0.86 4 12 1.00 2697 Joan 11.18 0.0455 0.021 20.59 2.0 0.10 3 3 0.43 2983 Poltava 11.20 0.0614 0.007 38.42 2.3 0.38 3 8 0.75 2697 <td></td> <td>6</td> <td></td> <td>1.00</td>																				6		1.00
2672 Pisek 11.70 0.0907 0.008 20.18 0.8 0.10 4 8 0.67 2959 Scholl 11.20 0.0503 0.006 34.11 1.9 0.91 3 4 0.75 2674 Pandarus 9.00 0.0461 0.003 98.10 3.2 0.10 6 11 1.00 2967 Vladisvyat 11.00 0.0721 0.018 31.24 3.3 0.86 4 12 1.00 2677 Joan 11.60 0.0955 0.021 20.59 2.0 0.10 2 2 0.40 2976 Lautaro 10.90 0.0522 0.007 38.42 2.3 0.38 3 8 0.75 2687 Tortali 11.89 0.2170 0.038 11.95 0.9 0.10 3 3 0.43 2983 Poltava 11.20 0.0614 0.007 30.86 1.5 0.18 6 15 0.86 2690 Ristiina 11.10 0.1585 0.024 20.12 1.4 0.10 3 4 1.00 2986 Mrinalini 11.90 0.0729 0.009 20.53 1.2 0.19 5 9 0.71 2695 Christabel 12.30 0.0995 0.018 14.61 1.1 0.10 2 2 0.667 2987 Sarabhai 12.10 0.0791 0.017 17.97 1.7 0.10 2 2 0.25 2096 Magion 12.00 0.0687 0.008 20.18 1.0 0.10 1 3 1.00 2993 Wendy 12.30 0.1876 0.025 10.64 0.6 0.10 2 3 0.33 2697 Ueferji 11.60 0.0578 0.006 26.47 1.3 0.10 4 6 1.00 2995 Taratuta 12.40 0.0704 0.011 16.59 1.2 0.10 2 3 1.00 2707 Uleferji 11.60 0.0578 0.006 26.47 1.3 0.10 4 6 1.00 2996 Bowman 11.80 0.0689 0.014 22.10 2.0 0.10 1 2 0.50 2715 Mielikki 11.90 0.1791 0.027 13.09 0.9 0.10 2 3 0.40 3009 Coventry 14.10 0.1096 0.024 6.08 0.6 0.10 2 2 0.25 2724 Orlov 11.70 0.0547 0.006 25.97 1.3 0.10 2 2 0.50 3017 Petrovic 11.40 0.1912 0.036 15.95 1.3 0.10 1 2 0.67 2725 David Bender 10.40 0.0759 0.005 40.14 1.2 0.12 12 33 1.00 3028 Zhangguoxi 10.70 0.01417 0.017 25.58 1.4 0.10 5 7 1.00 2729 Urumqi 11.40 0.1353 0.030 18.96 1.8 0.10 1 2 0.30 3032 Evans 11.40 0.0923 0.023 22.97 2.4 0.10 1 2 0.17		Oikawa				23.30		0.17	3	4	0.43		*			0.043	25.64	2.2	0.10	2	2	0.29
2674 Pandarus 9.00 0.0461 0.003 98.10 3.2 0.10 6 11 1.00 2967 Vladisvyat 11.00 0.0721 0.018 31.24 3.3 0.86 4 12 1.00 2687 Joan 11.60 0.0955 0.021 20.59 2.0 0.10 2 2 0.40 2976 Lautaro 10.90 0.0522 0.007 38.42 2.3 0.38 3 8 0.75 2687 Tortali 11.89 0.2170 0.038 11.95 0.9 0.10 3 3 0.43 2983 Poltava 11.20 0.0614 0.007 30.86 1.5 0.18 6 15 0.86 2695 Christabel 12.30 0.0995 0.018 14.6 1.1 0.10 2 2 0.67 2987 Sarabhai 12.10 0.0729 0.009 20.53 20.25 2696 Mendy 12.30										8						0.006	34.11					0.75
2677 Joan 11.60 0.0955 0.021 20.59 2.0 0.10 2 2 0.40 2976 Lautaro 10.90 0.0522 0.007 38.42 2.3 0.38 3 8 0.75 2687 Tortali 11.89 0.2170 0.038 11.95 0.9 0.10 3 3 0.43 2983 Poltava 11.20 0.0614 0.007 30.86 1.5 0.18 6 15 0.86 2690 Ristiina 11.10 0.1585 0.024 20.12 1.4 0.10 3 4 1.00 2986 Mrinalini 11.90 0.0729 0.009 20.53 1.2 0.19 5 9 0.71 2695 Christabel 12.30 0.0967 0.008 20.18 1.0 0.10 1 3 1.00 2993 Wendy 12.30 0.167 0.025 10.64 0.6 0.10 2 2 0.65 0.295 <t< td=""><td></td><td>Pandarus</td><td>9.00</td><td></td><td></td><td></td><td></td><td></td><td>6</td><td>11</td><td></td><td></td><td></td><td>11.00</td><td></td><td>0.018</td><td>31.24</td><td></td><td></td><td>4</td><td>12</td><td></td></t<>		Pandarus	9.00						6	11				11.00		0.018	31.24			4	12	
2687 Tortali 11.89 0.2170 0.038 11.95 0.9 0.10 3 3 0.43 2983 Poltava 11.20 0.0614 0.007 30.86 1.5 0.18 6 15 0.86 2690 Ristiina 11.10 0.1585 0.024 20.12 1.4 0.10 3 4 1.00 2986 Mrinalini 11.90 0.0729 0.009 20.53 1.2 0.19 5 9 0.71 2695 Christabel 12.30 0.0995 0.018 14.61 1.1 0.10 2 2 0.67 2987 Sarabhai 12.10 0.0791 0.017 17.97 1.7 0.10 2 2 0.67 2987 Sarabhai 12.10 0.0791 0.017 17.97 1.7 0.10 2 2 0.67 2987 Sarabhai 12.10 0.071 17.97 1.7 0.10 2 3 0.33 2 2 0.62			11.60		0.021				2	2			•	10.90		0.007	38.42		0.38			0.75
2690 Ristiina 11.10 0.1585 0.024 20.12 1.4 0.10 3 4 1.00 2986 Mrinalini 11.90 0.0729 0.009 20.53 1.2 0.19 5 9 0.71 2695 Christabel 12.30 0.0995 0.018 14.61 1.1 0.10 2 2 0.67 2987 Sarabhai 12.10 0.0791 0.017 17.97 1.7 0.10 2 2 0.25 2696 Magion 12.00 0.0687 0.008 20.18 1.0 0.10 1 3 1.00 2993 Wendy 12.30 0.1876 0.025 10.64 0.6 0.10 2 2 0.25 1.04 0.0791 0.017 17.97 1.7 0.10 2 2 0.65 0.01 2 3 0.33 1.00 2 2995 Taratuta 12.40 0.0704 0.01 1 2 0.50 271 0.00 <td></td>																						
2695 Christabel 12.30 0.0995 0.018 14.61 1.1 0.10 2 2 0.67 2987 Sarabhai 12.10 0.0791 0.017 17.97 1.7 0.10 2 2 0.25 2696 Magion 12.00 0.0687 0.008 20.18 1.0 0.10 1 3 1.00 2993 Wendy 12.30 0.1876 0.025 10.64 0.6 0.10 2 3 0.33 2697 Albina 10.20 0.0553 0.003 51.54 1.4 0.10 6 16 1.00 2995 Taratuta 12.40 0.0704 0.011 16.59 1.2 0.10 2 3 1.00 2707 11.60 0.0578 0.006 26.47 1.3 0.10 4 6 1.00 2996 Bowman 11.80 0.0689 0.01 2 0.01 1 2 0.50 2715 Mielikki 11.90																						
2696 Magion 12.00 0.0687 0.008 20.18 1.0 0.10 1 3 1.00 2993 Wendy 12.30 0.1876 0.025 10.64 0.6 0.10 2 3 0.33 2697 Albina 10.20 0.0553 0.003 51.54 1.4 0.10 6 16 1.00 2995 Taratuta 12.40 0.0704 0.011 16.59 1.2 0.10 2 3 1.00 2707 Ueferji 11.60 0.0578 0.006 26.47 1.3 0.10 4 6 1.00 2996 Bowman 11.80 0.0689 0.014 22.10 2.0 0.10 1 2 0.50 2715 Mielikki 11.90 0.1791 0.027 13.09 0.9 0.10 2 3 0.40 3009 Coventry 14.10 0.1096 0.024 6.08 0.6 0.10 2 2 0.20 2718 Handley 11.70 0.0547 0.006 25.97 1.3 0.10 5																						
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2724 Orlov 11.70 0.0947 0.037 19.74 3.0 0.37 2 2 0.50 3017 Petrovic 11.40 0.1912 0.036 15.95 1.3 0.10 2 2 0.67 2725 David Bender 10.40 0.0759 0.005 40.14 1.2 0.12 12 33 1.00 3024 Hainan 10.70 0.0731 0.011 35.63 2.5 0.10 3 4 1.00 2728 Yatskiv 12.40 0.0804 0.019 15.52 1.5 0.47 4 7 0.40 3028 Zhangguoxi 10.70 0.1417 0.017 25.58 1.4 0.10 5 7 1.00 2729 Urumqi 11.40 0.1353 0.030 18.96 1.8 0.10 2 2 0.33 3032 Evans 11.40 0.0923 0.023 22.97 2.4 0.10 1 2 0.17																						
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2729 Urumqi 11.40 0.1353 0.030 18.96 1.8 0.10 2 2 0.33 3032 Evans 11.40 0.0923 0.023 22.97 2.4 0.10 1 2 0.17																						
	2731	*				50.88	1.3	0.10	4	10	1.00	3036					42.39	1.7		3	9	1.00

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
3037	Alku	11.60	0.1131	0.011	18.91	0.8	0.10	3	8	0.75	3345	Tarkovskij	11.60	0.0688	0.015	24.25	2.3	0.95	6	17	1.00
3044	Saltykov	12.00	0.0594		21.71	2.0	0.56	3	7	1.00	3346	Gerla	11.10	0.0549	0.007	34.19	1.9	0.10	5	10	0.71
3046	Moliere	12.20	0.0562		20.36	3.7	0.70	2	3	1.00	3353	Jarvis	13.50	0.0744	0.007	9.72	0.5	0.10	6	12	0.55
3052	Herzen		0.0302		15.18	1.3	0.10	1	2	0.25	3368	Duncombe	11.30	0.0431	0.009	35.20	3.2	0.99	6	10	0.67
3054	Strugatskia	11.30	0.0441		25.14	1.6	0.10	2	3	1.00		Oishi	13.60	0.0386	0.009	12.89	1.9	0.81	4	8	0.67
3056	INAG	12.90	0.0408		17.31	2.2	0.10	2	2	0.22	3379 3389	Sinzot	12.30	0.0606	0.014	18.71	1.5	0.10	1	3	0.50
	Wren		0.0408		24.97	1.5	0.20	3	5	1.00			11.00		0.003	37.63	1.1	0.10		18	1.00
3062		10.80							9	1.00	3396	Muazzez		0.0497					6		
3063	Makhaon	8.60	0.0476		116.14 29.92	4.4 2.3	0.10	4	5	0.75	3397	Leyla	13.60	0.2251	0.047	5.34 22.27	0.5	0.10	2	2 8	0.18
3078	Horrocks	11.60	0.0452				0.19	3			3405	Daiwensai	12.20	0.0470	0.013		2.6	0.88	5		1.00
3082	Dzhalil	12.30	0.0766		16.65	1.6	0.10	2	2	0.40	3406	Omsk	11.30	0.2476	0.050	14.68	1.3	0.10	3	3	0.50
3089	Oujianquan	11.00	0.0618		33.72	2.6	1.00	3	8	1.00	3415	Danby	10.80	0.0809	0.011	32.33	2.0	0.10	2	4	0.67
3092	Herodotus	11.00	0.0572		35.07	3.1	0.10	1	3	0.33	3418	Izvekov	11.80	0.0457	0.009	27.13	2.4	0.10	2	2	0.20
3094	Chukokkala	12.00	0.0555		22.47	1.0	0.10	3	8	1.00	3419	Guth	10.70	0.0854	0.007	32.96	1.2	0.10	5	15	1.00
3109	Machin	11.60	0.0769		22.94	1.0	0.10	3	9	1.00	3442	Yashin	11.40	0.0674	0.007	26.87	1.3	0.10	4	7	0.57
3115	Baily	11.30	0.1639		18.04	0.8	0.10	4	6	1.00	3445	Pinson	12.20	0.0738	0.007	17.76	0.7	0.10	6	12	0.75
3118	Claytonsmith	10.90	0.0714		32.86	1.5	0.10	4	8	1.00	3461	Mandelshtam	13.20	0.0305	0.006	17.44	1.5	0.10	2	2	0.33
3134	Kostinsky	10.70	0.0371		50.01	3.0	0.10	1	3	0.25	3470	Yaronika	13.10	0.0620	0.011	12.81	1.0	0.10	1	2	0.17
3139	Shantou	10.60	0.0598		41.25	1.6	0.10	5	12	1.00	3471	Amelin	11.30	0.0609	0.012	29.60	2.6	0.10	1	2	0.33
3140	Stellafane	10.90	0.1259		24.75	1.5	0.10	4	6	1.00	3475	Fichte	10.80	0.0897	0.014	30.71	2.1	0.10	3	3	0.75
3141	Buchar	10.50	0.0858	0.012	36.05	2.2	0.10	5	6	0.83	3476	Dongguan	11.90	0.0309	0.005	31.53	2.4	0.10	1	2	1.00
3150	Tosa	11.00	0.0875	0.014	28.35	2.0	0.10	3	6	0.75	3478	Fanale	12.80	0.0600	0.015	14.95	1.6	0.10	1	2	0.50
3152	Jones	11.30	0.0485	0.003	33.18	0.8	0.10	9	27	1.00	3485	Barucci	12.60	0.0858	0.007	13.70	0.5	0.10	9	18	0.75
3156	Ellington	11.30	0.0698	0.008	27.66	1.5	0.10	4	5	0.80	3501	Olegiya	11.60	0.0935	0.018	20.81	1.7	0.10	2	3	0.33
3157	Novikov	11.50	0.0500	0.009	29.79	2.5	0.10	3	3	0.33	3522	Becker	12.30	0.0192	0.004	33.30	3.0	0.10	2	2	0.50
3161	Beadell	12.10	0.1629	0.021	12.52	0.7	0.10	5	5	0.71	3526	Jeffbell	12.10	0.0418	0.010	24.73	2.5	0.10	1	2	0.25
3164	Prast	11.90	0.0843	0.025	19.09	2.3	0.27	2	2	0.40	3548	Eurybates	9.50	0.0538	0.007	72.14	4.1	0.10	4	5	0.57
3167	Babcock	11.40	0.3233	0.074	12.27	1.2	0.10	2	2	0.33	3554	Amun	15.87	0.1284	0.024	2.48	0.2	0.10	1	2	0.07
3168	Lomnicky Stit	11.80	0.0535	0.012	25.08	2.4	0.10	2	2	0.29	3560	Chenqian	10.50	0.1245	0.023	29.92	2.4	0.10	2	2	0.50
3176	Paolicchi	10.90	0.0669	0.012	33.94	2.8	0.53	7	15	0.88	3561	Devine	10.70	0.0865	0.013	32.74	2.3	0.10	4	4	0.67
3197	Weissman	11.70	0.0790	0.017	21.61	2.0	0.10	2	2	0.29	3564	Talthybius	9.00	0.0934	0.010	68.92	3.5	0.10	5	10	1.00
3200	Phaethon	14.51	0.1066	0.011	5.10	0.2	0.10	6	18	1.00	3570	Wuyeesun	11.40	0.1687	0.045	16.99	1.9	0.17	3	3	0.75
3222	Liller	11.40	0.0543	0.005	29.95	1.3	0.10	7	19	1.00	3571	Milanstefanik	11.10	0.0424	0.008	38.88	3.2	0.10	2	2	0.29
3224	Irkutsk	11.30	0.0551	0.008	31.12	2.1	0.10	1	3	1.00	3578	Carestia	11.60	0.0121	0.001	57.80	2.3	0.10	4	9	1.00
3230	Vampilov	12.20	0.0423	0.005	23.46	1.3	0.10	4	4	0.44	3584	Aisha	12.10	0.0397	0.005	25.37	1.5	0.10	3	6	1.00
3237	Victorplatt	10.60	0.1513	0.016	25.93	1.3	0.10	4	8	0.57	3591	Vladimirskij	11.50	0.1138	0.022	19.75	1.7	0.10	3	3	0.27
3247	Di Martino	12.90	0.0647	0.011	13.75	1.0	0.10	3	5	0.38	3598	Saucier	11.60	0.0584	0.013	26.32	2.6	0.10	2	2	0.33
3248	Farinella	10.70	0.0660	0.013	37.49	3.2	0.37	5	6	0.63	3614	Tumilty	10.70	0.0274	0.002	58.12	1.7	0.39	5	13	1.00
3256	Daguerre	12.40	0.0326	0.005	24.36	1.5	0.10	2	4	0.67	3631	Sigyn	10.50	0.0901	0.016	35.18	2.7	0.74	10	24	0.77
3264	Bounty	12.20	0.0534	0.010	20.88	1.8	0.10	1	2	1.00	3637	O'Meara	12.10	0.1488	0.057	13.10	2.0	0.43	2	2	0.29
3273	Drukar	11.40	0.0439	0.007	33.31	2.3	0.10	5	6	0.71	3641	Williams Bay	11.40	0.0489	0.003	31.55	1.0	0.10	8	21	0.89
3278	Behounek	11.10	0.0610	0.009	32.43	2.2	0.10	2	4	1.00	3642	Frieden	11.20	0.0475	0.003	35.11	1.1	0.10	7	20	1.00
3283	Skorina	12.70	0.0918	0.034	12.65	1.9	0.51	2	3	0.29	3647	Dermott	11.40	0.0517	0.008	30.69	2.2	0.72	7	17	1.00
3285	Ruth Wolfe	12.30	0.2857		8.62	0.4	0.10	5	7	0.83	3650	Kunming	11.90	0.0386	0.006	28.22	2.0	0.46	2	6	0.50
3298	Massandra		0.0565		11.16	1.6	0.98	3	6	0.38	3660	Lazarev	11.50	0.0620	0.011	26.75	2.1	0.51	5	9	0.56
3311	Podobed	12.10	0.0442		24.04	4.3	0.72	2	3	0.67	3666	Holman	11.80	0.0592	0.008	23.85	1.4	0.10	4	5	0.67
3317	Paris	8.30	0.0626		116.26	5.2	0.10	3	6	1.00	3682	Welther	11.50	0.1189	0.009	19.32	0.7	0.10	2	5	0.50
3324	Avsyuk	11.70	0.1109		18.24	2.5	0.34	2	2	0.40	3684	Berry	13.40	0.0504	0.011	12.37	1.2	0.10	2	2	0.25
3325	TARDIS	11.40	0.0553		29.66	1.2	0.10	6	9	1.00	3685	Derdenye	13.30	0.0817	0.014	10.17	0.8	0.10	2	3	0.22
			0.0601		32.68	3.5	0.74	6	16	1.00	3686	•		0.0680		16.88		0.10	6	11	0.55
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TABLE 5—Continued

3693 I	Dzus			$\sigma_{P_{\scriptscriptstyle X}}$		σ_D	120	US	00	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	00	FOR
	DZus	11.50	0.0542	0.009	28.61	2.2	0.95	3	7	0.60	3983	Sakiko	12.40	0.0721	0.008	16.39	0.8	0.10	3	5	0.33
2004	Barringer	11.70	0.0603	0.012	24.74	2.1	0.10	1	2	0.50	3994	Ayashi	12.70	0.0782	0.010	13.71	0.8	0.10	3	6	0.43
3694 S	Sharon	10.30	0.0653	0.012	45.31	3.6	0.50	4	10	0.67	3999	Aristarchus	12.40	0.0589	0.035	18.14	3.7	1.00	3	5	0.75
3702	Trubetskaya	11.60	0.1369	0.014	17.19	0.8	0.10	2	5	1.00	4006	Sandler	12.50	0.0669	0.014	16.26	1.4	0.10	2	2	0.33
3708 1	1974 FV ₁	9.30	0.0531	0.007	79.59	4.5	0.10	3	5	0.75	4009	Drobyshevskij	12.50	0.0542	0.014	18.05	1.9	0.10	1	2	0.10
	Polypoites	9.00	0.0452	0.018	99.09	15.1	1.00	4	11	1.00	4014	Heizman	12.00	0.0206	0.009	36.83	6.2	0.58	2	2	0.25
3714 I	Kenrussell	12.80	0.1078	0.023	11.15	1.0	0.10	2	2	0.40	4035	1986 WD	9.30	0.0718	0.013	68.46	5.4	0.32	6	12	0.86
	Annenskij	11.60	0.2022		14.15	1.3	0.10	2	3	1.00	4049	Noragal'	11.80	0.0859	0.009	19.79	1.0	0.10	4	9	0.67
	IRAS	11.50	0.1161	0.023	19.55	1.7	0.54	4	12	0.67	4060	Deipylos	8.90	0.0776	0.009	79.21	4.3	0.10	4	7	0.80
3730 I	Hurban	11.80	0.0484	0.007	26.38	1.8	0.10	1	2	0.50	4061	Martelli	11.80	0.0930	0.018	19.03	1.6	0.10	1	2	0.08
	Hancock	10.30	0.0552		49.28	1.8	0.10	2	6	1.00	4063	Euforbo	8.60	0.0611	0.005	102.46	4.1	0.10	6	12	1.00
	Horn-d'Arturo	12.80	0.0540		15.75	0.5	0.10	7	16	0.88	4068	Menestheus	9.40	0.0789	0.015	62.37		0.10	1	2	0.20
	Belinskij	11.10	0.0898	0.011	26.73	1.4	0.10	3	7	0.75	4086	Podalirius	9.10	0.0536	0.014	86.89	9.4	1.00	7	17	0.78
	Kiang	11.70	0.0794	0.009	21.56	1.1	0.10	4	7	0.67	4093	Bennett	11.90	0.0601	0.016	22.60	2.6	0.33	3	4	0.75
	Kathleen	10.00	0.0624		53.23	1.8	0.10	8	17	1.00	4103	Chahine	11.20	0.3477	0.027	12.97	0.5	0.10	5	7	1.00
	Piironen	11.90	0.0297		32.15	1.0	0.10	2	6	1.00	4107	Rufino	11.60	0.3179	0.046	11.28		0.10	2	4	1.00
	Piaf	11.20	0.0870		25.93	2.5	0.10	2	2	0.50	4110	Keats	11.60	0.0633	0.009	25.29	1.7	0.10	2	4	0.67
	Vartiovuori	10.40	0.2229	0.032	23.42	1.5	0.10	5	6	1.00	4112	Hrabal	11.30	0.0226	0.002	48.60	1.9	0.10	4	10	1.00
	Chopin	11.00	0.0864		28.53	4.4	0.74	4	5	0.57	4121	Carlin	12.40	0.4164	0.086	6.82	0.6	0.10	1	2	0.11
	Leonteus	8.80	0.0717		86.26	7.9	0.66	7	14	0.88	4124	Herriot	12.50	0.0452	0.012	19.76	2.2	0.10	1	2	0.25
	Tuchkova	11.30	0.0425		35.45	1.2	0.10	4	10	1.00	4132	Bartok	11.70	0.3308	0.039	10.5	0.6	0.10	2	4	1.00
	Lidaksum	11.70	0.0318		34.09	2.9	0.65	8	18	1.00	4140	Branham	10.90	0.0637	0.006	34.81	1.5	0.10	4	7	1.00
	Konig	12.40	0.0360		23.21	1.1	0.10	2	5	0.50	4141	Nintanlena	12.60	0.0723	0.015	14.93	1.3	0.10	1	2	1.00
	Gorlitsa	14.20	0.0356		10.18	0.9	0.10	2	2	0.33	4144	Vladvasil'ev	11.60	0.0666	0.013	24.66	1.8	0.10	2	3	0.50
	Gunma	12.20	0.0393		24.33	1.1	0.10	3	7	1.00	4152	Weber	12.40	0.0585	0.011	18.20	1.7	0.10	2	2	1.00
	Pasasymphonia Pasasymphonia		0.2569		6.29	0.3	0.10	3	5	0.43	4157	Izu	11.90	0.0695	0.008	21.01	1.1	0.10	3	5	0.50
	Akirafujii	12.80	0.0583		15.16	1.3	0.55	6	13	0.86	4159	Freeman	10.80	0.2822	0.036	17.31	1.0	0.10	3	5	0.75
	Earhart		0.1228		10.94	0.8	0.19	6	9	0.67	4162	SAF	11.80	0.0620	0.008	23.31	1.3	0.10	2	6	1.00
	Wichterle	11.20	0.1228		23.76	1.8	0.10	2	2	1.00	4169	Celsius	10.90	0.0020	0.003	33.10	3.4	0.10	5	14	1.00
	1958 GQ		0.1037		20.53	2.3	0.31	2	3	0.50	4176	Sudek	11.90	0.0704	0.017	30.00	2.8	0.10	2	2	0.40
	Yoritomo	11.40	0.0413		27.78	1.2	0.10	5	8	0.71	4186	Tamashima	11.50	0.0600	0.007	27.19	2.6	0.10	5	6	0.63
	Chao	10.80	0.0031		47.09	1.1	0.10	6	18	1.00	4192	Breysacher	11.60	0.0665	0.013	24.67	2.9	0.74	6	14	0.86
	Fukushima	12.20	0.0561	0.002	20.38	1.6	0.10	3	9	1.00	4194	Sweitzer	12.00	0.0003	0.019	18.45	1.5	0.74	2	2	1.00
	Maeva	12.20	0.0361	0.010	21.94	1.0	0.10	6	9	0.60	4201	Orosz	11.10	0.0823	0.013	29.73	4.9	0.10	4	5	1.00
	Heather	12.50	0.0434		20.08	1.9	0.10	1	2	0.50	4209		10.80	0.0720	0.031	25.63	2.3	0.09	2	2	0.50
	Tret'yakov	10.90	0.0438		41.86	1.0	0.10	3	9	1.00	4211	Briggs 1987 RT	12.10	0.1288	0.026	31.37	2.3	0.10	2	2	0.30
	•							2	2												
	1984 SC ₅	12.00	0.1859		12.27 11.41	1.3	0.10			0.29	4222	Nancita	12.40	0.2703	0.061	8.47	0.8	0.77	5 9	11	1.00
	Toatenmongakkai		0.1962			0.9	0.10	1	2		4224	Susa	10.90	0.0648	0.006	34.50	1.5	0.10		16	0.90
	Huruhata		0.0524	0.006	30.46	1.7	0.10	2	6	1.00	4226	Damiaan	11.30	0.0555	0.014	31.02	3.2	0.41	4	8	1.00
	Gerasimenko		0.0395		23.18	1.7	0.10	1	3	1.00	4230	van den Bergh	11.70	0.0259	0.005	37.75	2.9	0.10	2	3	1.00
	Sugie	12.50	0.0321	0.007	23.46	2.1	0.10	2	3	1.00	4231	Fireman	13.40	0.0437	0.011	13.28	1.4	0.10	1	2	0.50
	Arthurcox		0.2012		10.28	0.9	0.10	1	2	0.13	4236	Lidov	11.40	0.0455	0.007	32.71	2.1	0.10	2	4	1.00
	Shekhtelia	11.30			28.83	2.1	0.10	1	3	0.50	4243	Nankivell	12.60	0.0493	0.010	18.08	1.7	0.10	1	2	0.25
	1979 ME ₉		0.1117		13.17	1.0	0.10	2	2	0.22	4250	Perun	12.10	0.0664	0.013	19.60	1.7	0.10	1	2	0.17
	Voronikhin	11.80	0.0392		29.32	2.1	0.52	5	15	0.83	4292	Aoba	12.20	0.0385	0.007	24.59	2.0	0.10	2	2	0.40
	Lise		0.0585		26.29	1.1	0.10	9	18	1.00	4298	1941 WA	12.20	0.0651	0.010	18.91	1.3	0.10	1	3	0.13
	Klepesta	11.70	0.0518		26.70	1.2	0.10	3	8	0.60	4313	Bouchet	11.90	0.0758	0.016	20.12	1.8	0.20	3	4	0.50
	Brorsen	11.70	0.1003	0.016	19.19	1.4	0.10	3	4	0.75	4315	Pronik	12.40	0.0513	0.010	19.43	1.6	0.48	7	15	1.00
3981 S	Stodola	11.90	0.0603	0.020	22.56	3.0	0.63	3	6	1.00	4317	Garibaldi	10.40	0.0499	0.010	49.50	4.2	0.10	1	2	0.20

TABLE 5—Continued

4327			$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	00	FOR	ID	Name	H	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
¬J∠/	Ries	12.30	0.0970	0.019	14.80	1.3	0.52	8	14	1.00	4772	1989 VM	11.80	0.0409	0.004	28.68	1.2	0.10	4	10	0.67
4332	Milton	11.90	0.2306	0.028	11.54	0.6	0.10	2	5	0.33	4783	Wasson	13.70	0.0455	0.011	11.34	1.1	0.10	1	2	0.20
4335	Verona	13.60	0.2418	0.041	5.15	0.4	0.10	2	3	0.17	4790	Petrpravec	11.80	0.1084	0.021	17.62	1.5	0.10	2	2	0.29
4342	Freud	12.10	0.0920	0.015	16.66	1.2	0.10	3	4	0.60	4791	Iphidamas	9.90	0.0579	0.009	57.85	4.0	0.10	3	3	0.75
4343	Tetsuya	11.90	0.0856	0.007	18.94	0.7	0.10	7	13	0.70	4812	Hakuhou	14.40	0.0580	0.013	7.28	0.7	0.10	2	2	1.00
	Tiburcio	11.70	0.0540	0.008	26.14	1.8	0.10	2	4	0.67	4831	Baldwin	12.40	0.0157	0.003	35.18	3.2	0.10	1	2	0.25
	Marathon	13.10	0.0665	0.011	12.36	0.9	0.10	1	2	0.17	4833	Meges	9.10	0.0531	0.008	87.33	5.8	0.15	6	14	1.00
4366	Venikagan	12.10	0.0273	0.006	30.61	2.8	0.10	1	2	0.25	4834	Thoas	9.20	0.0490	0.005	86.82	3.8	0.10	4	8	1.00
4368	Pillmore	11.30	0.1219	0.028	20.93	2.0	0.10	2	2	0.50	4836	Medon	9.50	0.0610	0.009	67.73	4.7	0.10	3	4	1.00
4378	Voigt	11.70	0.2734	0.064	11.62	1.2	1.00	4	8	0.80	4837	1989 ME	11.60	0.0693	0.024	24.16	3.3	0.49	2	3	0.50
	Snelling		0.0430		24.38	0.9	0.10	6	13	1.00	4840	Otaynang	11.90	0.0398	0.017	27.78	4.4	0.99	3	4	0.60
	Uenohara	11.20			20.49	1.5	0.10	3	3	0.50	4843	Megantic	11.00	0.1039	0.013	26.02	1.5	0.10	2	4	1.00
	Sesostris	14.00	0.0304		12.09	1.0	0.10	2	2	0.67	4870	Shcherban'	11.30	0.0834	0.014	25.29	1.9	0.10	2	4	0.67
	Arkhipova		0.0709	0.016	25.01	2.4	0.84	4	7	0.80	4874	Burke	12.00	0.0818	0.017	18.50	1.7	0.10	1	2	0.17
	Holeungholee	10.90	0.0925		28.87	1.3	0.10	7	17	1.00	4889	Praetorius	11.90	0.0908	0.014	18.39	1.3	0.10	2	4	1.00
	1983 EX	11.00	0.0744		30.74	1.6	0.10	5	7	1.00	4907	Zoser	12.10	0.0529	0.007	21.98	1.3	0.10	3	5	0.60
	Sykes	11.50			24.86	1.3	0.10	2	6	1.00	4918	Rostropovich	13.20	0.0651	0.011	11.93	0.9	0.10	1	2	0.50
	Garcia	12.70	0.0683		14.67	1.9	0.71	5	6	0.71	4930	Rephiltim	11.00	0.0720	0.011	31.27	1.9	0.76	7	17	1.00
	Sobinov	11.20	0.0649		30.02	2.0	0.10	3	5	0.75	4955	Gold	11.30	0.0599	0.010	29.84	2.7	0.10	1	2	0.14
	Bihoro	11.00	0.0444	0.016	39.82	2.4	0.10	2	4	1.00	4958	Wellnitz	11.50	0.0582	0.012	27.61	2.3	0.10	1	2	0.33
	Sergeev-Censkij	11.90	0.0912		18.34	2.7	0.10	2	2	0.33	4959	Niinoama	10.80	0.1082	0.021	27.96	2.4	0.10	2	2	1.00
	Sif	12.10	0.0562		21.32	1.2	0.33	3	4	1.00	4966	Edolsen	13.60	0.1082	0.021	9.66	0.8	0.10	2	2	0.40
	1988 AK	9.00	0.0502		92.93	7.4	0.10	7	14	1.00	4967	Glia	10.70	0.1054	0.013	29.67	2.0	0.10	2	4	0.50
		12.70	0.0314		8.26	0.4	0.39	4	7	0.50		Showa	11.30	0.1034	0.010	24.84	2.7	0.10	1	2	0.30
	Bambery 1988 TG ₁	11.00	0.2136		20.74	1.1	0.10	3	6	0.30	4973 5022	1984 HE ₁	11.70	0.0803	0.025	33.77	2.7	0.10	4	5	1.00
			0.1030		18.56		0.10	2	2	0.73		Bechmann			0.003	28.52	2.2	0.10	3	3	0.50
	Pascal	12.00				1.6		2	3	1.00	5024		11.50	0.0545							0.30
	Okamura	11.10			19.35	1.6	0.10	2	2		5025	1986 TS ₆	9.80	0.0635	0.012	57.83	4.9	0.10	2	2	
	Rembrandt		0.2861		9.02	0.9	0.10			0.20	5027	Androgeos	9.40	0.0917	0.015	57.86	4.3	0.10	3		0.60
	Britastra	12.10	0.0527		22.01	0.9	0.10	3	7	1.00	5070	Arai	11.10	0.0792	0.012	28.47	1.9	0.10	3	5	1.00
	Phoinix	9.70			62.79	5.7	0.10	1	2	0.20	5079	1975 DB	12.60	0.0592	0.008	16.50	1.0	0.10	3	5	1.00
	Massachusetts	11.00	0.1184		24.37	2.8	0.98	6	15	1.00	5081	1976 WC ₁	12.10	0.1072	0.019	15.44	1.2	0.10	2	3	0.50
	Fanynka	11.40	0.0812		24.48	1.8	0.10	3	3	0.75	5092	Manara	11.00	0.1014	0.017	26.34	1.9	0.10	3	4	0.33
	1979 UD ₂	13.00	0.0473		15.36	1.0	0.10	3	6	0.43	5095	Escalante	13.20	0.1203	0.021	8.78	0.7	0.10	3	3	0.38
	Piestany	11.70	0.0616		24.47	1.8	0.10	1	2	0.33	5097	Axford	13.20	0.0547	0.010	13.02	1.1	0.10	2	3	0.50
	Consolmagno	12.10			17.60	2.0	0.10	1	2	0.17	5102	Benfranklin	12.70	0.0443	0.011	18.20	1.9	0.10	1	2	0.25
	Pizarro	11.50	0.0582	0.009	27.62	2.0	0.10	2	4	0.40	5105	Westerhout	12.60	0.0874	0.021	13.58	1.4	0.10	2	2	0.20
	Zadunaisky	11.20			29.00	1.9	0.10	3	4	0.33	5130	Ilioneus	9.80	0.0602	0.013	59.40	5.4	0.10	1	2	0.33
	Tentaikojo	12.00	0.1622		13.14	1.1	0.10	2	2	0.33	5133	Phillipadams	11.50	0.0697	0.015	25.23	2.3	0.10	2	2	0.29
	Tirion	13.20			12.29	0.8	0.10	3	4	0.60	5140	Kida	11.40	0.0683	0.013	26.70	2.2	0.10	2	2	0.29
	1984 SM ₁	12.00	0.0338		28.77	1.4	0.10	5	8	0.71	5144	Achates	8.90	0.0576	0.007	91.91	5.1	0.10	3	5	0.75
4672	Takuboku	10.90	0.0609	0.007	35.59	1.9	0.10	4	5	0.80	5153	1940 GO	11.20	0.0735	0.011	28.21	1.8	0.51	4	11	0.67
4709	Ennomos	8.90	0.0744	0.009	80.85	4.3	0.10	2	3	1.00	5176	1989 AU	12.20	0.0849	0.007	16.56	0.7	0.10	3	9	1.00
4712	Iwaizumi	10.90	0.0933	0.007	28.75	1.0	0.10	10	22	1.00	5185	Alerossi	12.20	0.1408	0.031	12.86	1.2	0.10	2	2	0.33
4717	Kaneko	11.20	0.1808		17.99	1.2	0.10	4	5	1.00	5192	Yabuki	10.40	0.0966	0.008	35.57	1.3	0.10	3	7	1.00
4730	1980 XZ	11.10	0.1022	0.020	25.06	2.1	0.10	2	2	0.33	5202	1983 XX	13.20	0.0893	0.012	10.19	0.6	0.10	2	3	0.50
4732	Froeschle	11.30	0.0599	0.004	29.84	1.0	0.10	4	12	1.00	5209	1989 CW ₁	10.10	0.0506	0.009	56.41	4.6	0.10	2	2	0.33
4754	Panthoos	10.10	0.0571	0.010	53.15	4.2	0.10	2	3	0.50	5222	Ioffe	11.00	0.1463	0.012	21.92	0.9	0.10	6	9	1.00
4759	1978 VG ₁₀	11.90	0.1255	0.022	15.64	1.2	0.10	2	3	0.50	5225	Loral	12.60	0.0459	0.009	18.73	1.6	0.10	2	3	0.50
	Hartley		0.0398		36.63	1.7	0.10	1	3	1.00	5236	Yoko			0.039	8.98		0.10	1	2	0.09

TABLE 5—Continued

September Sept	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
Systes S	5249	Giza	12.10	0.0517	0.022	22.23	3.6	0.88	5	8	0.50	5900	Jensen	12.10	0.0287	0.006	29.81	2.7	0.10	2	2	0.40
5255 Johnsophies 12.10 0.0723 0.018 18.80 2.0 0.10 2 0.33 5919 Patrickinarian 11.60 0.0968 0.025 20.01 1 2 0.23 592.2 Shoulchin 1.10 0.0968 0.024 1.01 6 6.6 6.6 6.6 7.5 2.8 1.00 0.02 0.00 0.		Ulysses	8.80	0.0869	0.011	78.34	4.4	0.10		12	1.00	5914	1990 WK	10.80	0.0570	0.005	38.53	1.7	0.10	4	11	1.00
Sept Decomposition Decom		•	12.10								0.33		Patrickmartin	11.60	0.0968	0.025	20.45				2	
September 19.00	5259	Epeigeus	10.30	0.0739	0.018	42.59	4.4	0.10	2	2	0.29	5922	Shouichi	11.80	0.0542	0.006	24.93	1.3	0.10	4	6	0.67
Segregate Segr		1 0	10.90	0.0698	0.022	33.25		0.38	2	2	0.40	5924	Teruo	13.00	0.0693	0.014	12.68	1.1	0.96	5	7	0.83
5281 Pyrrhus 9,30 0.8087 0.014 6.5% 9.0 10 3 4 0.00 5959 Stankaln 11.0 0.017 0.012 0.0 10 1.0 0.017 0.017 0.0 <td></td> <td></td> <td>9.50</td> <td>0.0522</td> <td>0.008</td> <td>73.26</td> <td></td> <td>0.10</td> <td></td> <td>3</td> <td>0.40</td> <td></td> <td>Irina</td> <td>12.00</td> <td>0.1121</td> <td>0.024</td> <td>15.81</td> <td>1.4</td> <td>0.10</td> <td></td> <td>2</td> <td>0.29</td>			9.50	0.0522	0.008	73.26		0.10		3	0.40		Irina	12.00	0.1121	0.024	15.81	1.4	0.10		2	0.29
5316 Filator 11.50 0.0417 0.009 3.62 3.0 0.10 1 2 0.50 0.038 1.980 RQ 12.20 0.0443 0.004 22.93 0.9 0.0 6 14 0.75 0.333 0.05 0						64.58				4	0.60					0.027			0.10			0.67
5330 Senikyu 11.80 0.2227 0.434 1.29 1.0 0.10 2 2 0.50 6055 1.07 0.00 0.00 2.5 5 0.75 5333		•	11.50							2						0.004	22.93	0.9	0.10		14	
Say			11.80	0.2227	0.043	12.29	1.0	0.10	2	2	0.50		•	11.10	0.0852	0.013	27.43	1.9	0.20		5	0.67
5358 1992 QH 1.50 0.2141 0.088 1.40 1.1 0.10 2 2 0.50 6999 1.999 DJ 9.40 0.0553 0.011 74.53 6.2 0.94 5 9 0.837 0.007 0.011 0.0053 0.011 0.0053 0.011 0.0053 0.011 0.0053 0.011 0.0053 0.005384 1.00 0.0053		•	11.50			32.52	1.9	0.10	3	4	0.50	6059	1979 TA	14.50	0.0413	0.005	8.23		0.12		8	0.71
5374 Hokutosei 11,20 0,0606 0,022 31,06 4,5 0,96 3 6 0,75 0,11 1979 SP ₁₃ 12,90 0,017 0,007 12,23 0,5 0,10 9 15 0,90 0,93 0,90 0,95 0,90			11.50	0.2141	0.038	14.40	1.1	0.10	2	2	0.50		1989 DJ	9.40	0.0553	0.011	74.53	6.2	0.94		9	0.83
5384 May 1190 00754 0012 0.012 8.61 0.7 0.10 2 3 0.14 6129 Demokritos 12.0 0.0680 0.009 15.09 0.8 0.10 5 10 0.83 5399 Awa 1190 00754 0.010 2.86 1.2 0.26 0.0697 0.013 18.28 1.5 0.10 4 2 0.00697 0.013 18.28 1.5 0.10 4 2 0.00697 0.013 18.28 1.5 0.10 4 2 0.00697 0.013 18.28 1.5 0.10 4 2 0.00697 0.013 18.28 1.5 0.10 4 2 0.00697 0.013 18.28 1.5 0.00 0.013 0.009 12.55 0.7 0.10 0.2 2 0.067 0.00697 0.013 18.28 1.5 0.00 0.00697 0.0091 18.28 1.5 0.00 0.0069 0.0091 18.28 0.0091 1.0009										6												
Same			13.80	0.0720	0.012	8.61		0.10		3	0.14		1.0	12.30	0.0863	0.009	15.69	0.8	0.10	5		0.83
S416	5399	Awa	11.90		0.010	20.18		0.26		5	1.00	6137	1991 BY		0.0860	0.010	28.60		0.10		9	1.00
5420. 1982.1R, 13.00 0.0731 0.009 12.5 0.7 0.10 2 6 0.33 6157. Prey 13.90 0.0171 0.005 16.86 1.9 0.1 2 0.17 5435			12.20							2			Neukum	12.20							2	
5438 Kameoka 11.40 0.0737 0.011 2.57 1.7 0.10 1 2 1.00 6174 Polybius 11.90 0.0723 0.06 2.01 0.0 5 1.0 5 1.0 5 1.0 5 1.0 0.0 2.0 0.0		-	13.00	0.0731	0.009	12.35	0.7	0.10		6	0.33		Prev	13.90	0.0171	0.005	16.86	1.9	0.10		2	0.17
5443 Encremax 12.9 0.801 0.17 12.36 1.1 0.10 2 2 0.33 6192 1980 PB3 11.70 0.2669 0.01 2 2 0.33 5488 Aizman 11.70 0.0748 0.01 22.21 1.3 0.26 5 7 1.00 6252 1890 PB3 11.30 0.044 0.00 22.72 1.7 0.10 2 0.03 0.03 0.04 0.00 2 2 0.00 6279 1977 PD5 1.40 0.00 2 2 0.00 6279 1977 PD5 1.40 0.00 2 2 0.00 6279 1977 PD5 5.00 0.01 1.1 0.00 1.1 0.00 1.1 0.00 1.1 0.00 1.1 0.00 1.0 0.0 2 2 0.00 6349 Manus 1.0 0.004 1.1 0.0 1.1 0.0 1.0 1.0 0.0 5.3 0.0 0.0<	5435	•	11.40	0.0737	0.011	25.70	1.7	0.10	1	2	1.00	6174		11.90	0.0723	0.006	20.61	0.8	0.10	5	12	1.00
5488	5439	Couturier	11.70	0.0358	0.008	32.11	3.1	0.10	1	2	0.17	6187	1988 RD ₅	12.50	0.0616	0.006	16.94	0.7	0.10	7	11	0.70
5488	5443	Encrenaz	12.90	0.0801	0.017	12.36	1.1	0.10	2	2	0.33	6192	1990 KB ₁	12.70	0.2669	0.058	7.42	0.7	0.10	2	2	0.33
5484 Inoda 12,00 0.1062 0.021 12,32 1.0 0.10 1 2 0.00 6279 1977 UO ₅ 12,40 0.038 1.0 0.1 2 0.00 6279 1977 UO ₅ 12,40 0.033 0.03 2 0.0 0.00 6336 Dodo 0.1114 0.024 7.59 0.7 0.10 2 2 0.00 5521 Morpurgo 12,40 0.2393 0.041 9.00 0.7 0.10 2 2 0.05 6348 1995 CH ₁ 1.10 0.0702 0.014 1.97 1.7 0.10 2 2 0.04 3 0.07 0.10 2 2 0.04 3 0.00 0.0702 0.014 1.97 1.7 0.10 2 2 0.05 5348 1995 CH ₁ 1.10 0.00 0.00 0.00 0.01 1.2 4.0 0.0 1.0 1.0 0.03 0.00 0.00 0.00 0.00			11.70										•			0.006	28.85					
5484 Inoda 12,00 0.1062 0.021 12,32 1.0 0.10 1 2 0.00 6279 1977 UO ₅ 12,40 0.038 1.0 0.1 2 0.00 6279 1977 UO ₅ 12,40 0.033 0.03 2 0.0 0.00 6336 Dodo 0.1114 0.024 7.59 0.7 0.10 2 2 0.00 5521 Morpurgo 12,40 0.2393 0.041 9.00 0.7 0.10 2 2 0.05 6348 1995 CH ₁ 1.10 0.0702 0.014 1.97 1.7 0.10 2 2 0.04 3 0.07 0.10 2 2 0.04 3 0.00 0.0702 0.014 1.97 1.7 0.10 2 2 0.05 5348 1995 CH ₁ 1.10 0.00 0.00 0.00 0.01 1.2 4.0 0.0 1.0 1.0 0.03 0.00 0.00 0.00 0.00	5468	Hamatonbetsu	11.70	0.0748	0.010	22.21	1.3	0.26	5	7	1.00	6255	Kuma	12.50	0.0342	0.006	22.72	1.7	0.10	2	3	0.29
5489. Oberkochen 11.50 0.3398 0.056 11.43 0.8 0.10 2 2 3.100 6295 Sehmoll 13.60 0.114 0.024 7.59 0.7 0.10 2 2 0.20 5495 Rumyantsev 11.10 0.0833 0.036 27.6 4.6 0.43 2 2 0.02 6340 Dedo 13.50 0.0195 0.04 18.8 1.8 0.10 2 2 0.20 5528 1992 AJ 10.90 0.1348 0.03 23.92 2.5 0.10 2 2 0.06 6348 1995 CH1 13.10 0.0702 0.01 13.24 1.2 0.10 3 636 5572 1993 FK; 10.80 0.0884 0.017 3.1 0.083 6350 0.01 11.50 0.063 0.10 2 2 1.0 5572 Oshima 11.50 0.0681 0.00 25.43 2.5 0.72			12.60	0.1062	0.021	12.32		0.10	1	2	0.50			12.40	0.0684	0.013	16.83	1.4	0.10		2	1.00
5495 Rumyantsev 11 10 0.0833 0.036 2.776 4.6 0.43 2 2 0.20 6340 Edham Long 0.010 1.89 1.8 0.10 2 2 0.20 5521 Morpurgo 12.40 0.2333 0.041 9.00 0.7 0.10 2 2 0.40 5548 1.992 AJ 1.00 0.1348 0.033 23.92 2.5 0.10 2 2 1.04 6348 1.995 CH ₁ 13.10 0.072 0.016 11.84 1.1 0.10 2 2.2 1.04 6348 1.995 CH ₁ 13.10 0.075 0.01 2 2.0 0.06 3.3 5.03 8 0.0 6349 Morpurgo 12.0 0.06 0.06 0.0686 0.088 2.02 1.0 0.0 6349 Morpurgo 11.50 0.0686 0.0 0.0 4.0 0.0 3.0 0.0 3.0 0.0 3.0 0.0 3.0 0.0		Oberkochen	11.50	0.3398	0.056	11.43	0.8	0.10	2	3	1.00		Schmoll	13.60	0.1114	0.024	7.59	0.7	0.10	2	2	0.50
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	5495	Rumyantsev	11.10	0.0833	0.036	27.76	4.6	0.43	2	2	0.20		Dodo	13.50	0.0195	0.004	18.98	1.8	0.10	2	2	0.25
5567 1953 FK₁ 10.80 0.0845 0.017 31.64 2.8 0.10 5 2 2 1.00 6349 Acapulco 12.00 0.068 0.00 3 5 0.38 5572 Bliskunov 12.00 0.0686 0.009 18.49 1.1 0.10 3 6 0.75 6355	5521	Morpurgo	12.40	0.2393	0.041	9.00	0.7	0.10	2	2	0.25	6340	Kathmandu	12.00	0.0702	0.014	19.97	1.7	0.10	2	2	0.40
5567 1953 FK 10.80 0.0845 0.017 31.64 2.8 0.10 2 2 1.00 6349 Acapulco 12.00 0.0737 0.010 19.24 1.2 0.10 3 5 0.38 5572 Bliskunov 12.00 0.0681 0.009 18.49 1.1 0.10 3 6 0.75 6355 1966 TKs 11.30 0.0663 0.010 28.38 1.0 0.10 28.38 1.0 0 0.0 1.0 3 0.6 0.05 0.0683 0.01 22.3 2.0 0 6359 Dubinin 11.50 0.048 0.09 31.47 2.7 0.79 6 18 1.00 5616 Vogtland 13.50 0.0261 0.044 1.42 1.2 0.10 3 3 0.33 6372 Walker 11.10 0.044 0.0 1.4 0.80 5616 McCleese 12.70 0.4552 0.088 5.68	5528	1992 AJ	10.90	0.1348	0.033	23.92	2.5	0.10	2	2	0.40	6348	1995 CH ₁	13.10	0.0726	0.016	11.84	1.1	0.10	1	2	0.20
5576 Albanese 12.20 0.0681 0.009 18.49 1.1 0.10 3 6 0.75 6355 1969 TX ₅ 11.30 0.0663 0.010 28.38 1.9 0.10 3 3 0.75 5592 Oshima 11.50 0.0686 0.016 25.43 2.5 0.72 6 10 1.00 6359 Dubinin 11.50 0.0484 0.09 31.47 2.7 0.79 6 18 1.00 5603 Rausudake 10.50 0.0621 0.04 16.43 1.2 0.10 3 3 0.33 6372 Tunis 11.10 0.043 0.00 38.04 1.9 0.10 1 2 0.07 6392 Tunis 11.10 0.043 0.00 38.04 1.9 0.01 8 1.8 0.0 0.07 20.75 6392 Tunis 11.10 0.0443 0.02 30.55 4.3 0.37 2 0.07 50.75 <		1953 FK ₁	10.80	0.0845	0.017	31.64	2.8	0.10	2	2	1.00		Acapulco	12.00	0.0757	0.010	19.24	1.2	0.10	3	5	0.38
5592 Oshima 11.50 0.0686 0.016 25.43 2.5 0.72 6 10 1.00 6359 Dubinin 11.50 0.0448 0.009 31.47 2.7 0.79 6 18 1.00 5603	5572	Bliskunov	12.00	0.0686	0.008	20.20	1.1	0.10	5	10	0.83	6350	Schluter	11.60	0.0671	0.012	24.56	2.0	0.10	2	2	1.00
5603 Rausudake 10.50 0.0622 0.011 42.34 3.2 0.10 2 2 0.33 6362 Tunis 11.20 0.0373 0.008 39.58 3.5 0.10 1 2 0.25 5616 Vogtland 13.50 0.0261 0.004 16.43 1.2 0.10 3 3 0.33 6372 Walker 11.10 0.0443 0.005 38.04 1.9 0.10 8 14 0.80 5641 1990 TZ 11.30 0.4729 0.002 10.62 0.7 0.10 1 2 0.00 6494 Vanavara 12.90 0.0279 0.007 20.33 2.3 0.46 3.5 0.75 5651 Traversa 11.70 0.0684 0.00 19.32 0.8 0.10 6 16 0.75 6475 Refugium 10.40 0.1136 0.031 32.0 0.50 0.05 0.0 0.0 2.0 0.0 0.0	5576	Albanese	12.20	0.0681	0.009	18.49	1.1	0.10	3	6	0.75	6355	1969 TX ₅	11.30	0.0663	0.010	28.38	1.9	0.10	3	3	0.75
5616 Vogtland 13.50 0.0261 0.004 16.43 1.2 0.10 3 3 0.33 6372 Walker 11.10 0.0443 0.005 38.04 1.9 0.10 8 14 0.80 5641 McCleese 12.70 0.4552 0.088 5.68 0.5 0.10 1 2 0.07 6392 Takashimizuno 11.00 0.0754 0.027 30.55 4.3 0.37 2 2 0.67 5651 Traversa 11.70 0.05811 0.004 26.88 0.9 0.10 7 17 1.00 6493 1991 NY 13.60 0.1032 0.013 7.88 0.5 0.10 2 2.0 0.06 4645 1991 NY 13.60 0.031 7.88 0.5 0.10 2 2 0.50 6475 Refugium 10.40 0.132 0.01 2 5 0.50 6479 Leoconnolly 12.70 0.056 0.001 2<	5592	Oshima	11.50	0.0686	0.016	25.43	2.5	0.72	6	10	1.00	6359	Dubinin	11.50	0.0448	0.009	31.47	2.7	0.79	6	18	1.00
5641 McCleese 12.70 0.4552 0.08 5.68 0.5 0.10 1 2 0.07 6392 Takashimizuno 11.00 0.0754 0.027 30.55 4.3 0.37 2 2 0.67 5647 1990 TZ 11.30 0.4729 0.072 10.62 0.7 0.10 1 2 1.00 6404 Vanavara 12.90 0.0279 0.007 20.93 2.3 0.46 3 5 0.75 5651 Traversa 11.70 0.0511 0.004 26.88 0.9 0.10 6 16 0.75 6475 Refugium 10.40 0.1136 0.031 7.88 0.5 0.10 3 4 0.50 5661 Hildebrand 10.10 0.1364 0.026 34.37 2.9 0.10 2 2 0.50 6479 Leoconnolly 12.70 0.0507 0.001 21.62 1.3 0.10 2 2 0.50 6679 <td>5603</td> <td>Rausudake</td> <td>10.50</td> <td>0.0622</td> <td>0.011</td> <td>42.34</td> <td>3.2</td> <td>0.10</td> <td>2</td> <td>2</td> <td>0.33</td> <td>6362</td> <td>Tunis</td> <td>11.20</td> <td>0.0373</td> <td>0.008</td> <td>39.58</td> <td>3.5</td> <td>0.10</td> <td>1</td> <td>2</td> <td>0.25</td>	5603	Rausudake	10.50	0.0622	0.011	42.34	3.2	0.10	2	2	0.33	6362	Tunis	11.20	0.0373	0.008	39.58	3.5	0.10	1	2	0.25
5641 McCleese 12.70 0.4552 0.08 5.68 0.5 0.10 1 2 0.07 6392 Takashimizuno 11.00 0.0754 0.027 30.55 4.3 0.37 2 2 0.67 5647 1990 TZ 11.30 0.4729 0.072 10.62 0.7 0.10 1 2 1.00 6404 Vanavara 12.90 0.0279 0.007 20.93 2.3 0.46 3 5 0.75 5651 Traversa 11.70 0.0511 0.004 26.88 0.9 0.10 6 16 0.75 6475 Refugium 10.40 0.1136 0.031 7.88 0.5 0.10 3 4 0.50 5661 Hildebrand 10.10 0.1364 0.026 34.37 2.9 0.10 2 2 0.50 6479 Leoconnolly 12.70 0.0507 0.001 21.62 1.3 0.10 2 2 0.50 6679 <td>5616</td> <td>Vogtland</td> <td>13.50</td> <td>0.0261</td> <td>0.004</td> <td>16.43</td> <td>1.2</td> <td>0.10</td> <td>3</td> <td>3</td> <td>0.33</td> <td>6372</td> <td>Walker</td> <td>11.10</td> <td>0.0443</td> <td>0.005</td> <td>38.04</td> <td>1.9</td> <td>0.10</td> <td>8</td> <td>14</td> <td>0.80</td>	5616	Vogtland	13.50	0.0261	0.004	16.43	1.2	0.10	3	3	0.33	6372	Walker	11.10	0.0443	0.005	38.04	1.9	0.10	8	14	0.80
5647 1990 TZ 11.30 0.4729 0.072 10.62 0.7 0.10 1 2 1.00 6404 Vanavara 12.90 0.0279 0.007 20.93 2.3 0.46 3 5 0.75 5651 Traversa 11.70 0.0511 0.004 26.88 0.9 0.10 7 17 1.00 6453 1991 NY 13.60 0.1032 0.013 7.88 0.5 0.10 3 4 0.50 5654 Terni 12.10 0.0684 0.06 19.32 0.8 0.10 6 16 0.75 6475 Refugium 10.40 0.1136 0.03 3 4 0.50 5661 Hildebrand 10.10 0.1364 0.026 34.37 2.9 0.10 2 2 0.50 6479 Leoconnolly 12.70 0.0546 0.001 3 4 0.50 5704 Schumacher 11.80 0.0515 0.010 38.81 <td>5641</td> <td>McCleese</td> <td>12.70</td> <td>0.4552</td> <td>0.088</td> <td>5.68</td> <td>0.5</td> <td>0.10</td> <td>1</td> <td>2</td> <td>0.07</td> <td></td> <td>Takashimizuno</td> <td>11.00</td> <td>0.0754</td> <td>0.027</td> <td>30.55</td> <td>4.3</td> <td>0.37</td> <td>2</td> <td>2</td> <td>0.67</td>	5641	McCleese	12.70	0.4552	0.088	5.68	0.5	0.10	1	2	0.07		Takashimizuno	11.00	0.0754	0.027	30.55	4.3	0.37	2	2	0.67
5654 Terni 12.10 0.0684 0.006 19.32 0.8 0.10 6 16 0.75 6475 Refugium 10.40 0.1136 0.031 32.80 3.7 0.59 4 6 0.80 5661 Hildebrand 10.10 0.1364 0.026 34.37 2.9 0.10 2 2 0.50 6479 Leoconnolly 12.70 0.0507 0.06 17.02 1.0 0.10 2 5 0.33 5704 Schumacher 11.80 0.0515 0.007 25.57 1.6 0.10 2 2 0.67 6606 Makino 12.40 0.0287 0.04 26.00 1.8 0.10 2 3 0.22 5711 1991 CO ₃ 12.50 0.0450 0.001 38.81 3.9 0.10 2 2 0.50 6619 1994 LK 12.30 0.0430 0.007 22.24 1.6 0.20 6 11 <t< td=""><td>5647</td><td>1990 TZ</td><td>11.30</td><td>0.4729</td><td>0.072</td><td>10.62</td><td>0.7</td><td>0.10</td><td>1</td><td>2</td><td>1.00</td><td></td><td>Vanavara</td><td>12.90</td><td>0.0279</td><td>0.007</td><td>20.93</td><td>2.3</td><td>0.46</td><td>3</td><td>5</td><td>0.75</td></t<>	5647	1990 TZ	11.30	0.4729	0.072	10.62	0.7	0.10	1	2	1.00		Vanavara	12.90	0.0279	0.007	20.93	2.3	0.46	3	5	0.75
5661 Hildebrand 10.10 0.1364 0.026 34.37 2.9 0.10 2 2 0.50 6479 Leoconnolly 12.70 0.0507 0.006 17.02 1.0 0.10 2 5 0.33 5704 Schumacher 11.80 0.0515 0.007 25.57 1.6 0.10 2 5 1.00 6570 Tomohiro 12.10 0.0546 0.007 21.62 1.3 0.10 4 5 0.33 5709 1977 TS3 12.00 0.0831 0.018 18.36 1.7 0.10 2 2 0.67 6606 Makino 12.40 0.0287 0.004 26.00 1.8 0.10 2 3 0.22 5711 1991 CO3 12.50 0.2670 0.021 8.13 0.3 0.52 5 7 0.45 6619 1973 SS4 10.70 0.1266 0.021 27.07 2.0 0.10 3 3 0.50	5651	Traversa	11.70	0.0511	0.004	26.88	0.9	0.10	7	17	1.00	6453	1991 NY	13.60	0.1032	0.013	7.88	0.5	0.10	3	4	0.50
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5654	Terni	12.10	0.0684	0.006	19.32	0.8	0.10	6	16	0.75	6475	Refugium	10.40	0.1136	0.031	32.80	3.7	0.59	4	6	0.80
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5661	Hildebrand	10.10	0.1364	0.026	34.37	2.9	0.10	2	2	0.50	6479	Leoconnolly	12.70	0.0507	0.006	17.02	1.0	0.10	2	5	0.33
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5704	Schumacher	11.80	0.0515	0.007	25.57	1.6	0.10	2	5	1.00	6570	Tomohiro	12.10	0.0546	0.007	21.62	1.3	0.10	4	5	0.33
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5709	1977 TS ₃	12.00	0.0831	0.018	18.36	1.7	0.10	2	2	0.67	6606	Makino	12.40	0.0287	0.004	26.00	1.8	0.10	2	3	0.22
5757 Ticha 12.00 0.0632 0.007 21.05 1.1 0.10 4 8 0.67 6621 Timchuk 13.50 0.0512 0.005 11.72 0.5 0.15 4 10 0.50 5771 Somerville 12.40 0.0372 0.006 22.83 1.7 0.10 2 3 0.50 6631 Pyatnitskij 13.10 0.0494 0.008 14.35 1.0 0.10 2 4 0.67 5832 Martaprincipe 11.60 0.1146 0.021 18.80 1.5 0.54 4 10 0.67 6648 1991 PM ₁₁ 13.00 0.1937 0.038 7.59 0.6 0.10 2 2 0.22 5833 Peterson 10.70 0.0901 0.011 32.08 1.8 0.10 6 8 0.75 6687 Lahulla 14.30 0.0192 0.010 13.25 2.5 0.55 2	5711	$1978 SO_4$	11.10	0.0426	0.010	38.81	3.9	0.10	2	2	0.50	6613	1994 LK	12.30	0.0430	0.007	22.24	1.6	0.20	6	11	1.00
$\begin{array}{llllllllllllllllllllllllllllllllllll$	5747	1991 CO ₃	12.50	0.2670	0.021	8.13	0.3	0.52	5	7	0.45	6619	1973 SS ₄	10.70	0.1266	0.021	27.07	2.0	0.10	3	3	0.50
$\begin{array}{llllllllllllllllllllllllllllllllllll$	5757	Ticha	12.00	0.0632	0.007	21.05	1.1	0.10	4	8	0.67	6621	Timchuk	13.50	0.0512	0.005	11.72	0.5	0.15	4	10	0.50
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Somerville	12.40	0.0372	0.006	22.83	1.7	0.10	2	3	0.50		Pyatnitskij	13.10	0.0494	0.008	14.35	1.0	0.10	2	4	0.67
5833 Peterson 10.70 0.0901 0.011 32.08 1.8 0.10 6 8 0.75 6687 Lahulla 14.30 0.0192 0.010 13.25 2.5 0.55 2 2 0.29 5849 1990 HF1 10.20 0.1823 0.035 28.39 2.4 0.10 1 2 0.50 6785 1990 VA7 11.10 0.0849 0.015 27.50 2.2 0.10 1 2 0.33 5852 Nanette 12.30 0.0353 0.003 24.53 1.1 0.10 2 6 1.00 6794 1992 DK 11.00 0.0978 0.020 26.82 2.4 1.00 6 7 1.00 5870 Baltimore 12.90 0.2150 0.058 7.54 0.8 0.93 7 16 0.70 6862 Virgiliomarcon 11.40 0.0624 0.008 27.92 1.5 0.10 2 5 1.00	5832	Martaprincipe	11.60	0.1146	0.021	18.80	1.5	0.54	4	10	0.67		1991 PM ₁₁	13.00	0.1937	0.038	7.59	0.6	0.10	2	2	0.22
5852 Nanette 12.30 0.0353 0.003 24.53 1.1 0.10 2 6 1.00 6794 1992 DK 11.00 0.0978 0.020 26.82 2.4 1.00 6 7 1.00 5870 Baltimore 12.90 0.2150 0.058 7.54 0.8 0.93 7 16 0.70 6862 Virgiliomarcon 11.40 0.0624 0.008 27.92 1.5 0.10 2 5 1.00	5833	Peterson	10.70	0.0901	0.011	32.08	1.8	0.10	6	8	0.75		Lahulla	14.30	0.0192	0.010	13.25	2.5	0.55	2	2	0.29
5852 Nanette 12.30 0.0353 0.003 24.53 1.1 0.10 2 6 1.00 6794 1992 DK 11.00 0.0978 0.020 26.82 2.4 1.00 6 7 1.00 5870 Baltimore 12.90 0.2150 0.058 7.54 0.8 0.93 7 16 0.70 6862 Virgiliomarcon 11.40 0.0624 0.008 27.92 1.5 0.10 2 5 1.00	5849	1990 HF ₁	10.20	0.1823	0.035	28.39	2.4	0.10	1	2	0.50	6785	1990 VA ₇	11.10	0.0849	0.015	27.50	2.2	0.10	1	2	0.33
5870 Baltimore 12.90 0.2150 0.058 7.54 0.8 0.93 7 16 0.70 6862 Virgiliomarcon 11.40 0.0624 0.008 27.92 1.5 0.10 2 5 1.00		Nanette	12.30	0.0353	0.003	24.53	1.1	0.10	2	6	1.00		1992 DK	11.00	0.0978	0.020	26.82	2.4	1.00	6	7	1.00
5889 Mickiewicz 11.70 0.0726 0.010 22.55 1.4 0.10 6 6 1.00 6868 1992 HD 13.00 0.0493 0.008 15.04 1.1 0.10 2 3 0.33	5870	Baltimore	12.90	0.2150	0.058	7.54	0.8	0.93	7	16	0.70		Virgiliomarcon	11.40	0.0624	0.008	27.92	1.5	0.10	2	5	1.00
	5889	Mickiewicz	11.70	0.0726	0.010	22.55	1.4	0.10	6	6	1.00	6868	1992 HD	13.00	0.0493	0.008	15.04	1.1	0.10	2	3	0.33

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
6879	Hyogo	12.20	0.0535	0.006	20.87	1.0	0.10	4	8	0.67	8354	1989 RF	12.60	0.0457	0.009	18.78	1.6	0.10	2	2	0.40
6895	$1987 DG_6$	13.50	0.0273	0.007	16.06	1.7	0.10	1	2	0.17	8380	Tooting	12.00	0.1903	0.022	12.13	0.6	0.10	4	5	0.57
6925	Susumu	12.30	0.0481	0.005	21.02	1.1	0.15	6	13	1.00	8449	Maslovets	12.90	0.0312	0.008	19.79	2.1	0.10	1	2	0.13
6939	Lestone	13.70	0.0212	0.004	16.62	1.5	0.10	1	2	0.20	8486	1989 QV	13.00	0.0201	0.004	23.53	2.1	0.10	2	2	0.25
6974	1992 MC	11.80	0.1381	0.029	15.61	1.4	0.10	2	2	0.25	8487	1989 SQ	13.40	0.0639	0.010	10.98	0.8	0.10	3	4	0.38
6984	Lewiscarroll	10.80	0.0425	0.008	4460	3.6	0.10	2	3	0.50	8579	1996 XV ₁₉	13.60	0.0313	0.007	14.31	1.3	0.10	1	2	0.25
6989	1994 XH ₁		0.1725		16.80	1.8	0.10	1	2	0.14	8701	1993 LG ₂	12.70	0.0459	0.010	17.89	1.6	0.10	2	2	0.50
7019	1992 EM ₁	13.20	0.0889	0.014	10.22	0.7	0.10	4	4	0.67	8721	AMOS	11.20	0.0235	0.004	49.91	3.7	0.10	2	5	0.25
7050	1982 FE ₃	13.00	0.0390	0.005	16.90	1.0	0.10	2	4	0.50	8737	1997 AL ₁₃	12.00	0.0621	0.011	21.24	1.6	0.10	2	3	0.40
7052	1988 VQ ₂	12.40	0.1682		10.73	0.8	0.10	1	2	0.17	8802	1981 EW ₃₁	13.50	0.0238	0.005	17.21	1.6	0.10	2	2	0.17
7083	Kant	12.50	0.1161		12.34	1.0	0.10	3	3	0.60	8813	Leviathan			0.027	13.59	1.0	0.10	2	3	1.00
7096	Napier	15.30			5.59	0.4	0.10	2	3	0.67	8823		13.00	0.0831	0.012	11.58	0.7	0.10	2	4	1.00
7119	Hiera	9.80	0.0364		76.40	7.0	0.10	2	2	0.50	8861	Jenskandler	13.50	0.0147	0.003	21.86	2.0	0.10	1	2	0.17
7170	1987 MK	13.30			9.21	1.0	0.19	2	2	0.33	8889	Mockturtle	11.60		0.028	23.59	3.6	0.38	2	2	0.25
7200	1994 NO	14.00	0.0346		11.32	0.8	0.10	3	4	0.60	8891	Irokawa	12.60	0.0553	0.006	17.07	0.9	0.10	5	9	0.71
7217	Dacke	11.50			29.47	2.4	0.10	2	2	1.00	8917	1996 EU ₂	11.30	0.0452	0.007	34.34	2.4	0.23	4	7	1.00
7331	Balindblad	11.50	0.0740		24.49	2.3	0.10	2	2	0.29	8951	1997 FO	11.80	0.0692	0.013	22.06	1.8	0.10	2	2	0.33
7366	1996 UY		0.0740		36.07	3.2	0.10	1	2	0.25	9003	1981 UW ₂₁	12.70	0.0326	0.006	21.22	1.8	0.10	2	2	0.33
7394	Xanthomalitia	11.10			44.33	3.3	0.10	2	3	0.18	9090	Chirotenmondai	12.70	0.0609	0.010	17.03	1.2	0.10	3	4	0.50
7466	1989 VC ₂	12.00	0.0520		22.53	1.8	0.10	2	2	0.13	9107	1997 AE ₄	13.20	0.0009	0.010	19.07	1.7	0.10	2	2	0.30
7505	1989 VC_2 1997 AM_2		0.0332		9.07	0.7	0.10	1	2	0.33			12.10	0.0253	0.003	21.49	2.0	0.10	1	2	0.17
7536	Fahrenheit	11.80	0.3732		24.77	2.2	0.10	1	2	0.33	9247 9294	1998 MO ₁₉ 1983 EV	13.10	0.0333	0.012	15.60	1.4	0.10	2	2	0.14
			0.0349						14	0.20					0.009					2	0.40
7588	1992 FJ ₁	11.20			36.91	1.7	0.10	6			9344	Klopstock	14.30			17.05		0.10	2		
7605	1995 SR ₁	11.60	0.0426		30.84	1.8	0.19	6	15	1.00	9347	1991 RY ₂₁	13.60	0.0509	0.011	11.23	1.0	0.10	1	2	0.06
7611	1996 BW ₁	11.80	0.0653		22.71	1.5	0.10	2	3	1.00	9402	1994 UN ₁	12.30	0.0402	0.007	23.00	1.8	0.10	3	3	0.30
7612	-	11.50	0.0896		22.25	2.1	0.10	2	3	1.00	9515	-	13.10	0.0738	0.023	11.74	1.5	0.10	1	2	0.50
7635	1983 VH ₁	11.40	0.0924		22.94	1.0	0.10	5	11	0.56	9559	1987 DH ₆	13.20	0.0466	0.008	14.10	1.1	0.10	3	3	0.33
7641	1986 TT ₆	9.30			68.97	3.2	0.10	4	7	0.80		1996 FU ₁₃	11.40	0.0745	0.011	25.56	1.7	0.10	4	5	0.67
7711	Rip	12.90	0.0489		15.81	1.3	0.10	3	4	0.50	9719		13.40	0.0197	0.005	19.77	1.9	0.10	2	2	0.33
7730	1978 NN ₁	13.50			15.83	0.9	0.10	2	4	0.50	9799	1996 RJ	9.90	0.0460	0.005	64.87		0.10	4	6	0.67
7750	McEwen	12.60			12.47	1.1	1.00	5	9	0.83	9920	1981 E Z_{10}	13.60	0.0270	0.006	15.42	1.4	0.10	2	2	0.40
7796	Jaracimrman		0.0408		12.54	0.9	0.10	3	4	0.50	10046	1986 JC	13.60	0.0418	0.005	12.40	0.7	0.10	3	4	1.00
7812	Billward	13.30			23.48	2.6	0.10	1	2	0.17	10050	•	13.30	0.0722	0.015	10.82	1.0	0.10	2	2	0.50
7859	Lhasa	13.30			16.00	1.7	0.10	2	2	0.22	10227	Izanami	12.20	0.0325	0.006	26.79	2.3	0.10	2	2	0.50
7868	Barker	12.80			18.43	1.4	0.10	3	4	0.50	10259	Osipovyurij	12.30	0.0523	0.006	20.16	1.1	0.15	4	8	0.67
7874	1991 BE	12.50	0.0946	0.009	13.66	0.6	0.10	6	10	0.75	10287	Samle	13.40	0.0602	0.021	11.32	1.6	0.48	2	3	0.20
7880	$1992{\rm OM}_7$	12.80	0.0430	0.008	17.66	1.5	0.10	2	2	0.25	10288	Saville	14.60	0.0546	0.010	6.84	0.6	0.10	1	2	0.50
7895	Kaseda	10.90	0.0949	0.011	28.51	1.6	0.24	6	14	1.00	10291	1985 UT	11.80	0.0489	0.007	26.24	1.6	0.10	4	5	0.57
7949	1992 SU	12.40	0.0569	0.011	18.45	1.6	0.96	8	21	0.67	10299	1988 VS ₃	13.20	0.0706	0.011	11.46	0.8	0.10	2	3	0.33
7950	Berezov	11.40	0.0663	0.011	27.10	2.0	0.10	3	3	0.38	10328	1991 GC ₁	14.10	0.0519	0.010	8.83	0.8	0.10	1	2	0.08
7965	Katsuhiko	12.00	0.0634	0.010	21.02	1.5	0.10	2	2	1.00	10369	1995 CE ₂	12.90	0.0529	0.010	15.20	1.3	0.10	3	4	0.30
7979	Pozharskij	13.00	0.0493	0.009	15.03	1.2	0.10	2	2	0.25	10386	1996 TS ₁₅	12.00	0.0611	0.011	21.41	1.7	0.10	2	3	0.29
7994	Bethellen	12.50	0.0391	0.009	21.26	2.1	0.10	1	2	0.33	10583	Kanetugu	11.90	0.0485	0.010	25.16	2.2	0.75	6	15	1.00
7999	Nesvorny	12.00	0.0629	0.010	21.09	1.5	0.10	4	5	1.00	10637	Heimlich	12.60	0.0241	0.007	25.84	2.9	0.10	1	2	0.11
8062	Okhotsymskij	12.60	0.0718	0.026	14.99	2.1	0.81	2	4	1.00	10672	1978 QE	11.70	0.0719	0.011	22.66	1.5	0.10	4	5	1.00
8157	1988 XG ₂		0.0545		13.04	1.6	0.10	1	2	0.25	10714	1983 QG	13.20	0.0778	0.019	10.91	1.1	0.96	8	17	0.89
8223	Bradshaw	13.70	0.0302		13.92	1.0	0.10	2	3	0.33	10748		13.00	0.0522	0.015	14.61	1.7	0.10	1	2	0.50
8259	1983 UG	14.10			6.01	0.5	0.10	2	3	0.20	10766	1990 UB ₁	12.00	0.0354	0.006	28.13	2.1	0.10	4	4	0.67
8292	1992 SU ₁₄		0.1680		11.77	1.0	0.10	1	2	0.17	10784	•	13.40		0.008	15.79		0.10	1	2	0.25
J272	17720014	12.20	0.1000	0.052	11.//	1.0	0.10	1	_	0.17	10,04	1.0011100	15.70	0.0507	0.000	10.17	1.0	0.10	1	-	0.23

TABLE 5—Continued

ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
10889	1997 AO ₁	11.50	0.0403	0.008	33.20	3.0	0.10	2	2	0.50	14651	1998 YE -	13.10	0.0329	0.008	17.58	1.7	0.10	1	2	0.14
10944		13.10	0.0412		15.71	0.18	0.10	4	5	0.67	14705	5	12.50	0.1062	0.017	12.90	0.9	0.10	3	4	0.50
	1999 HR ₂	13.00	0.0435	0.005	16.01	0.8	0.10	3	6	1.00		2000 DW ₉₇	13.00	0.0358	0.007	17.64	1.4	0.10	4	4	0.33
	1980 FJ ₁	12.20	0.0396		24.24	1.5	0.10	2	3	1.00	14822	1984 SR ₅	12.70	0.0156	0.003	30.68	2.9	0.10	2	2	0.17
	1994 RU ₁	12.90	0.0697		13.25	1.3	0.10	2	2	0.29	15161		11.10	0.0999	0.020	25.34	2.2	0.10	2	2	0.67
	1998 FB ₁₀₉	13.70	0.0161	0.004	19.04	1.8	0.10	2	2	0.29	15269	1990 XF	12.40	0.1553	0.036	11.17	1.1	0.46	4	5	0.67
	Woomera	14.00	0.0329	0.007	11.62	1.1	0.10	1	2	0.14	15278		11.70	0.0307	0.016	34.66	6.5	0.66	2	2	0.25
	1999 JO ₂₆	12.20	0.0703		18.20	1.8	0.10	1	2	0.25	15410		12.20	0.0514		21.30	1.6	0.10	3	4	0.75
	1999 JA ₇₇		0.0264		24.71	3.7	0.37	2	2	0.29		1998 VU ₃₀	9.50	0.0381	0.011	85.71	10.2	0.87	6	10	1.00
	Kugelgen	14.10	0.0127		17.88	1.7	0.10	2	2	0.25	15440		9.10	0.0916	0.011	66.48	3.8	0.10	4	6	0.80
	1997 TS ₂₅	10.50	0.0627		42.16	4.0	0.10	2	2	0.50	15457	7	12.50	0.0289	0.004	24.74	1.7	0.10	3	5	0.50
11386	20	13.60	0.0458		11.84	1.0	0.10	2	2	0.15		1999 VW ₂₄	11.60	0.0664	0.012	24.69	2.0	0.10	3	3	0.50
	1998 XN ₇₇			0.007	64.71	3.1	0.10	4	7	1.00	15562		11.90	0.0563	0.008	23.36	1.4	0.10	3	5	0.75
11396	, ,	10.50	0.0469	0.009	48.73	4.2	0.10	2	2	0.40	15707		14.10	0.0310	0.008	11.44	1.2	0.10	1	2	0.50
11542	1992 SU ₂₁	11.30	0.0216	0.005	49.72	5.3	0.14	2	2	0.40	15712	1989 RN ₂	13.00	0.0386	0.005	16.99	1.1	0.10	2	4	0.33
	Virgilsmith	12.00	0.0305	0.003	30.31	1.5	0.19	4	10	0.80	15732		12.60	0.0408	0.009	19.88	1.9	0.10	1	2	0.14
	1994 CL	13.30	0.0496	0.024	13.05	2.3	0.58	2	2	0.29	15811		12.60	0.0617	0.013	16.17	1.4	0.10	2	2	0.40
11645	1997 BY ₁	13.40	0.0988	0.019	8.84	0.7	0.10	3	3	0.38	15923	1997 VN ₃	13.30	0.0459	0.006	13.57	0.9	0.10	2	4	0.22
11990	1995 WM ₆	13.50	0.0593	0.012	10.89	0.9	0.10	2	2	0.33	15951		12.30	0.0541	0.010	19.82	1.7	0.10	1	2	0.11
	1996 FM ₅	12.20	0.0276	0.006	29.07	2.7	0.10	1	2	0.33	15958		14.70	0.0276	0.007	9.19	1.0	0.10	1	2	0.25
12080	1998 FC ₁₁₁	12.30	0.0356	0.010	24.42	2.7	0.10	1	2	0.14		Clairearmstrong	12.50	0.1194	0.021	12.16	0.9	0.10	2	3	1.00
12098	1998 HV ₁₂₂	12.80	0.0422	0.006	17.81	1.2	0.10	2	3	0.33	16015	1999 CK ₄₇	14.40	0.0125	0.003	15.65	1.4	0.10	2	2	0.18
12365	1993 YD	12.70	0.0194	0.004	27.53	2.6	0.10	2	2	0.29	16035	1999 FX ₃₂	12.50	0.0329	0.007	23.18	2.2	0.10	1	2	0.33
12444	1996 GE ₁₉	10.10	0.0390	0.030	64.31	15.8	0.84	2	2	0.40	16037	1999 GX ₈	13.30	0.0338	0.007	15.81	1.5	0.10	2	2	0.50
12445	Sirataka	12.70	0.0278	0.006	22.99	2.0	0.10	2	2	0.15	16070	1999 RB ₁₀₁	9.80	0.0516	0.011	64.13	5.8	0.10	2	2	0.50
12481	$1997 \mathrm{EW}_{47}$	13.40	0.0409	0.008	13.73	1.2	0.10	2	3	0.33	16216	$2000 \mathrm{DR_4}$	13.00	0.0480	0.009	15.25	1.3	0.10	2	2	0.25
12583	Buckjean	12.30	0.0320	0.011	25.76	3.6	1.00	4	10	0.67	16257	$2000\mathrm{JY_6}$	12.60	0.0297	0.005	23.28	1.6	0.10	3	5	0.50
12714	Alkimos	10.30	0.0360	0.007	61.04	5.4	0.10	1	2	0.17	16415	1987 QE ₇	13.90	0.0811	0.037	7.75	1.3	0.44	2	2	0.25
12738	Satoshimiki	13.40	0.0419	0.008	13.57	1.2	0.10	1	2	0.33	16560	1991 VZ ₅	10.90	0.0292	0.006	51.42	4.6	0.10	2	2	0.33
	1979 OH ₁	12.50	0.0156	0.003	33.67	2.6	0.10	2	2	0.33	16593	1992 UB_3	13.20	0.0489	0.012	13.77	1.5	0.10	2	2	0.40
	1994 PS	13.60	0.0383	0.010	12.94	1.4	0.10	2	2	0.20	16671	1994 AF ₃	12.10	0.0800	0.016	17.87	1.6	0.10	2	3	0.50
	1996 HE ₁	12.30	0.0258	0.006	28.68	2.7	0.10	2	2	0.40	16774		12.90	0.1658	0.033	8.59	0.8	0.33	3	6	0.50
13244		11.40	0.0486	0.007	31.63	2.1	0.10	2	5	0.50	16785	1997 AL_1	11.70	0.0481	0.004	27.69	1.2	0.10	6	11	0.75
13249	Marcallen	12.00	0.0663	0.011	20.55	1.5	0.10	3	6	1.00	16786	•	11.80	0.0584	0.011	24.02	2.0	0.10	2	2	0.29
	1998 RE		0.0465		18.63	1.3	0.10	4	4	0.57		Tombickler	13.10	0.0483	0.005	14.51	0.8	0.10	6	9	0.86
13426	20	15.00	0.0134		11.49	1.1	0.10	2	2	0.22	16913		13.30	0.0679	0.008	11.16	0.6	0.10	7	11	0.78
	1998 RU ₇₆	14.30	0.0333	0.004	10.06	0.6	0.10	3	5	0.50	16974	21	9.80	0.0691	0.011	55.43	4.0	0.10	4	4	0.67
	1999 XR ₁₃	10.50	0.0735		38.93	1.6	0.10	4	12	0.80	17109		12.40	0.0265	0.008	27.04	3.4	0.44	2	3	0.29
	Neely		0.0520	0.011	29.20	2.7	0.10	1	2	0.50	17175		12.00	0.0714	0.014	19.80	1.7	0.45	3	4	0.38
	1989 HC	11.70	0.0676		23.36	1.9	0.10	2	2	0.50		$2000\mathrm{GJ}_{127}$	12.70	0.0246	0.004	24.47	1.6	0.10	3	3	0.50
	1993 XG	12.50	0.0952		13.62	1.1	0.10	1	2	0.14	17266	2000 KT ₆	14.00	0.0289	0.009	12.39	1.6	0.56	2	4	0.67
14120		13.60	0.0368		13.20	1.4	0.10	2	2	0.20	17297		11.80	0.0554	0.006	24.65		0.10	5	9	1.00
	1999 CR ₆₄	12.80	0.0391	0.011	18.52	2.1	0.10	1	2	0.25	17389	50	13.40	0.0357	0.008	14.70	1.4	0.10	1	2	0.17
	2000 AK ₁₅₆	10.40	0.0369	0.006	57.54	4.4	0.10	3	3	0.43	17445	5	12.60	0.0389	0.006	20.36	1.4	0.14	2	5	1.00
	1983 RV ₃	13.40	0.0405	0.007	13.79	1.0	0.10	2	3	0.40	17463		13.80	0.0419	0.009	11.29	1.0	0.10	2	2	0.33
	1990 SP ₁₅	11.60	0.0697	0.008	24.10	1.3	0.10	7	8	0.64	17657	7	14.60	0.0313	0.010	9.04	1.2	0.10	1	2	0.33
	1998 QB ₃₂	12.50	0.0314		23.73	1.1	0.14	6	13	1.00		Kanagawa	12.70	0.0302	0.007	22.08	2.1	0.10	2	2	0.17
	1998 SG ₁₆₄	12.30	0.0333	0.007	25.24	2.3	0.10	2	2	0.33	17711		12.70	0.1515	0.033	9.85	0.9	0.10	2	2	0.29
14646	1998 XO ₂₈	13.00	0.0166	0.003	25.92	1.9	0.10	1	2	0.13	17839	1998 HN ₉₅	12.00	0.0711	0.009	19.85	1.1	0.10	6	9	1.00

TABLE 5—Continued

ID	Name	Н	P_{x}	σ_{P_x}	D	σ_D	PLC	US	UO	FOR	ID	Name	Н	$P_{\scriptscriptstyle X}$	σ_{P_x}	D	σ_D	PLC	US	UO	FOR
18039	1999 ND ₄₉	13.10	0.0205	0.004	22.26	1.9	0.10	2	2	0.22	21078	1991 RR ₁₆	12.70	0.0220	0.004	25.83	2.3	0.10	2	2	0.22
18053	1999 RU ₂₀₈	13.20	0.0277	0.007	18.28	1.9	0.10	2	2	0.33	21555	1998 QF ₇₀	12.50	0.0481	0.009	19.17	1.6	0.10	1	3	0.14
18153	$2000 OC_{61}$	11.90	0.0743	0.007	20.32	0.9	0.10	4	10	1.00	21570	1998 RK ₃₃	13.60	0.0203	0.005	17.78	1.9	0.10	1	2	0.50
18219	6260 P-L	11.60	0.0892	0.021	21.30	2.1	0.10	2	2	0.50	21587	1998 SE ₁₃₂	12.50	0.0476	0.006	19.28	1.1	0.10	5	7	0.83
18300	1979 PA	14.60	0.0278	0.008	9.59	1.2	0.62	3	5	0.23	21592	1998 VJ ₅	13.10	0.0821	0.016	11.13	1.0	0.10	1	2	0.14
18331	1987 DQ ₆	12.20	0.0365	0.005	25.28	1.6	0.10	4	4	0.57	21596	1998 WG ₇	14.50	0.0472	0.008	7.70	0.6	0.10	3	4	0.33
18333	1987 OV	14.40	0.0260	0.004	10.86	0.7	0.10	3	5	0.75	21688	1999 RK ₃₇	14.30	0.0503	0.007	8.18	0.5	0.10	3	4	0.43
18377	1991 SH ₁	13.50	0.0442	0.009	12.62	1.1	0.10	2	3	0.33	21792	1999 ST ₇	13.00	0.0554	0.010	14.19	1.1	0.10	2	3	0.67
18483	1995 YY ₂	12.20	0.0802	0.018	17.05	1.6	0.10	2	2	0.67	21967	1999 WS ₉	12.00	0.0690	0.014	20.14	1.8	0.10	1	2	0.33
18595	1998 BR ₁	13.80	0.0346	0.007	12.41	1.0	0.10	2	2	0.18	22097	2000 BH ₄	12.40	0.0317	0.006	24.72	2.1	0.10	1	2	0.25
18666	1998 FT ₅₃	13.30	0.0303	0.025	16.71	4.4	0.90	2	2	0.67	22147	2000 WP_{32}	13.30	0.0292	0.019	17.02	3.8	0.92	3	3	0.50
18732	1998 KP ₁₉	12.70	0.0242		24.65	2.9	0.10	1	2	0.50	22464	1997 AG ₁₄	13.00	0.0828	0.014	11.61	0.9	0.10	1	2	1.00
18827	1999 NA ₂₆	12.70	0.0360		20.19	1.5	0.10	4	5	0.57	22805	1999 RR ₂	12.30	0.1352	0.028	12.53	1.1	0.10	2	2	1.00
18996	$2000 RR_{53}$	11.90	0.0714		20.73	1.5	0.10	2	3	0.50	22955	1999 TH ₂₅₁	13.10	0.0304	0.007	18.30	1.8	0.10	2	2	0.20
19517	1998 SK ₁₆₄	13.00	0.0605		13.57	1.4	0.10	2	2	0.25	23059	1999 XT ₄₅	14.80	0.0146	0.004	12.05	1.3	0.10	1	2	0.17
19565	1999 KF ₄	12.70	0.0558		16.22	0.9	0.20	6	13	1.00	23099	1999 XA ₁₆₀	11.40	0.0443	0.009	33.15	3.0	0.96	7	20	0.64
19615	$1999 OB_3$	12.00	0.0460		24.68	2.1	0.10	1	2	0.50	23103	1999 XK ₁₆₉	13.00	0.0436	0.007	15.99	1.2	0.10	3	4	0.60
19732	1999 XF ₁₆₅	13.30	0.0985		9.27	0.5	0.37	6	8	1.00	23129	$2000 AO_{100}$	12.10	0.0601	0.007	20.62	1.2	0.10	2	4	1.00
19862	2556 P-L	13.30	0.0390		14.73	1.1	0.13	2	4	1.00	23167	$2000 \mathrm{GL}_{124}$	12.50	0.1437	0.028	11.09	0.9	0.10	2	2	0.29
19926	1979 YQ	13.60	0.0316		14.24	0.6	0.10	8	19	0.73	23956	1998 VD ₉	13.10	0.0531	0.009	13.84	1.0	0.10	2	4	0.40
20098	1994WC_2	11.90	0.0821		19.34	1.7	0.10	2	2	0.33	23977	1999 GW ₆	13.00	0.0425	0.004	16.19	0.7	0.10	5	10	1.00
20099	1994 WB ₃	13.80	0.0236		15.03	1.4	0.10	2	2	0.33	24013	1999 RR ₁₁₃		0.1282	0.088	8.91	2.0	0.86	2	2	0.22
20293	1998 FQ ₇₂	14.20	0.0141		16.15	1.5	0.10	1	2	0.11	24035	1999 SJ ₂	14.30	0.0512	0.008	8.11	0.5	0.10	1	2	0.20
	132	12.60	0.0612		16.23	1.2	0.10	2	2	1.00	24127		11.40	0.0851	0.018	23.91	2.1	0.10	2	2	0.67
20602		12.20	0.0377		24.87	1.2	0.10	2	4	1.00	24388		12.60	0.0374	0.011	20.77	2.5	0.10	1	2	1.00
20617	1999 SA ₇	12.20	0.0785		17.23	1.3	0.10	2	2	0.67	24980	1998 KF_2	13.10	0.0871	0.020	10.80	1.1	0.10	2	2	0.18
20635	1999 TV ₉₆	12.00	0.0589		21.81	2.2	0.10	2	2	1.00	25000	1998 OW ₅	12.60	0.0311	0.006	22.77	1.8	0.10	1	2	0.50
20675	1999 VK ₆	12.70	0.0693		14.56	1.7	0.56	4	5	0.67	25343	1999 RA ₄₄	14.40	0.0252	0.007	11.03	1.3	0.10	1	2	0.25
20707	1999 WW ₄	12.30	0.0355		24.46	1.7	0.10	4	4	0.44	25453	1999 XU ₁₁	12.30	0.0957	0.017	14.90	1.1	0.10	3	5	0.60
20741	1999 XA ₂₃₀	13.30	0.0329		16.03	1.3	0.10	2	2	1.00	25699	$2000 \mathrm{AD}_{127}$	12.80	0.0346	0.007	19.67	1.7	0.10	2	2	0.15
20762	2000 EE_{36}	11.50	0.1299	0.028	18.48	1.7	0.10	2	2	0.67	25785	2000 CY ₄₅	13.60	0.0238	0.007	16.42	2.1	0.22	2	2	0.22
20802	2000 SR ₁₇₉	14.30	0.0241		11.83	1.2	0.10	1	2	0.25	25843	2000 EQ ₈₄	13.40	0.0167	0.004	21.49	2.4	0.10	1	2	0.25
20810	$2000 \mathrm{SE}_{266}$	12.50	0.1251	0.025	11.88	1.0	0.10	2	2	1.00	26125	1992 RG	13.00	0.0975	0.011	10.69	0.5	0.10	4	7	1.00
20848	2000 UA_{105}		0.0737		8.51	0.8	0.10	2	2	0.20	26171	1996 BY ₂	14.00	0.0480	0.009	9.61	0.8	0.10	1	2	0.50
20898	Fountainhills	11.00	0.0505		37.31	1.1	0.10	2	6	0.50	26260	1998 RA ₂	12.90	0.0670	0.012	13.51	1.0	0.10	3	3	0.43
20899	2000 XB_3	13.70	0.0430		11.67	1.4	0.93	8	17	0.89	26604	2000 FO ₂₅	12.30	0.4331	0.061	7.00	0.4	0.10	3	4	0.38
21018	1988 VV ₁	12.60	0.0908	0.034	13.32	2.0	0.83	4	5	0.67	26662	2000 WB_{181}	14.20	0.0186	0.005	14.09	1.5	0.10	1	2	0.33

 $(0.05 < p_H < 0.2)$ and drops off sharply outside this range (Tedesco 1994, Fig. 6). Their logarithmic mean albedo is 0.12. In the same size range, the additional SIMPS asteroids (ID \geq 4680) have a logarithmic mean albedo of 0.069. For yet smaller asteroids ($D \leq$ 30 km) these means are essentially unchanged (0.14 vs. 0.070). In Figure 5, it is clear that over all sizes, newly identified SIMPS asteroids have both a lower mean albedo and a narrower albedo dispersion than IMPS asteroids.

Because only asteroids with known orbits can be identified in the IRAS data, the associated asteroids, for objects of identical size, are biased toward those with higher albedos and located at smaller geocentric distances. Thus, the reason for the smaller proportion of small asteroids with moderate to high albedos is that the higher albedo asteroids in the size range shown in Figure 5 have already been discovered. The smallest asteroids in the newly identified SIMPS sample (those with $D \lesssim 10$ km), where the sample is still quite incomplete, have means and dispersions comparable to those for the larger IMPS asteroids.

The sample of main-belt asteroids with mean apparent opposition V magnitudes V(a, 0) < 15.75 is believed to be essentially complete.⁴ That is, virtually all asteroids brighter than this have been discovered (Zappalà & Cellino 1996; Jedicke & Metcalfe 1998). For a location near the middle of the main belt ($a \sim 2.7$ AU), this corresponds to diameters between about 7 km (for albedo 0.45) and 20 km (for albedo 0.05).

The fraction of small ($D \le 44$ km) asteroids having intermediate albedos, using the Tedesco (1994) definition of $0.09 < p_H \le 0.14$, is essentially the same for the IMPS and SIMPS samples: 20% versus 18%. Only 5% of asteroids with D > 44 km have albedos in this range. Because of the small albedo range, this sample is essentially a diameter-limited one for any given geocentric distance. Thus, this difference, noted previously by Veeder & Tedesco (1992) and by Tedesco (1994), is apparently real; intermediate albedos are between 3 and 4 times more common among smaller asteroids.

While the overall increase in the number of asteroids with IRAS data is 24%, the impact on some populations is greater. For example, the sample of small asteroids (D < 40 km) with IRAS data increased by 40% (from 981 to 1371), and that of very small asteroids (D < 20 km) by 72% (from 306 to 526). And, as illustrated in Figure 6, the sample of Jupiter Trojan asteroids increased by 77% (from 39 to 69), and the sample of small Trojan asteroids (D < 80 km) by nearly a factor of 3 (from nine to 26).

3. SUMMARY

As discussed previously (Tedesco 1994), IMPS diameters for the largest asteroids are systematically low with respect to occultation diameters. The reason for this is that although, on average, the band-to-band correction improved the agreement in the albedos among results derived from 12 μ m fluxes and those derived from 25 μ m and 60 μ m fluxes (from \sim 10% to less than 1%), the agree-

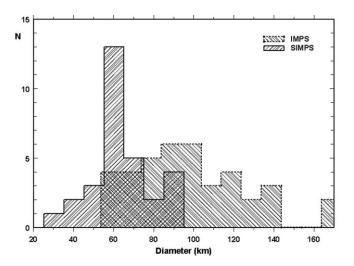


Fig. 6.—IMPS and SIMPS Jupiter Trojan diameter histograms

ment actually worsened for a few of the largest asteroids. In particular, the diameter obtained for Ceres from 12 μ m fluxes alone differs, following the band-to-band correction, by about 8% (which corresponds to 10 σ !) with respect to that derived from 25 μ m fluxes.

The need for the band-to-band correction is due to the fact that Ceres was used to "calibrate" the standard thermal model by requiring results based upon observations at 10 μ m and 20 μ m to simultaneously match the diameter obtained from a stellar occultation (Lebofsky et al. 1986). However, this requirement led to the difference seen in the IMPS-derived albedos and diameters for virtually all other asteroids. Thus, the parameters in the standard thermal model for wavelengths near 10 μ m are correct for Ceres but not for the vast majority of smaller asteroids. Hence, the thermal properties of Ceres, and perhaps those of other asteroids with diameters ≥ 200 km, differ significantly from those of smaller asteroids. For example, the thickness, mineralogy, and/or particle size distribution in the regoliths of these largest asteroids may differ appreciably from those of smaller asteroids.

A comparison of 13 IMPS asteroids with 100 km < D < 350 km, for which there exist high-quality results from stellar occultations, found that the mean difference in the diameters derived from these two techniques is 7%. Thus, the IMPS results are believed *accurate* to better than 10% (Tedesco 1994). The uncertainties given in FP 202 (Table 5) and FP 203 are due solely to the *precision* of the *IRAS* flux measurements. That is, they do not include contributions from uncertainties in H and/or G, or those due to aspect or light-curve variations.

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 $^{^{4}}V(a, 0) = H + 5 \log [a(a-1)].$

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