Parameter	Position in line	Type	Format/Values	Field Length	INFO	QUESTIONS	HOW TO READ
Catalog Number	1	Number	n [1,9999999]	8			From top to bottom we go from the oldest to the newest, speaking of the same asteroid
Name	9	String		29			
Prov. Designation	38	String		13			
Albedo Value	51	Decimal	n.nnn [0,9]	7			
Albedo Lower Limit	58	Decimal	n.nnn [0,9]	7	If "*" present after the value it means it is reffered to the uncertainty		
Albedo Upper Limit	65	Decimal	n.nnn [0,9]	7	If "*" present after the value it means it is reffered to the uncertainty		
Albedo Uncertainty	72	Decimal	n.nnn [0,9]	7			
Albedo Approximate Value	79	String	"d","m","mh", "h","a", "~"	7	1) "d" dark 0.06 2) "m" medium 0.15 or in the case of no taxonomic information 3) "mh" medium high 0.18 4) "h" high 0.30 5) "a" assumed based on taxonomy 6) "~" not precise value		
Diameter	86	Decimal	nnn.nnnn	9	Units of measure MUST be always km		
Diameter Lower Limit	95	Decimal	nnn.nnnn	9	Units of measure MUST be always km		
Diameter Upper Limit	104	Decimal	nnn.nnnn	9	Units of measure MUST be always km		
Diameter Uncertainty	113	Decimal	nnn.nnnn	9			
Diameter Approximate Value	122	String	"~"	4			
X dimension	126	Decimal	nnn.nnnn	9	Units of measure MUST be always km		
Y dimension	135	Decimal	nnn.nnnn	9	Units of measure MUST be always km		
Z dimension	144	Decimal	nnn.nnnn	9			
Radar	153	String	Y-N	6			
Multiple System	159	String	_n Bn n=[0,infty]	4			
Diameter Reference	163	String	nnn,ann n=[0,9], a=[A,B, C,D,E,F,G,H,I,J, K,L,M,N,O,P,Q, R,S,T,U,V,W,X, Y,Z]	3			

Parameter	Position in line	Type	Format/Values	Field Length		INFO		QUESTIONS		HOW TO READ
Catalog Number	1	Number	n [1,9999999]	8						From top to bottom we go from the oldest to the newest, speaking of the same asteroid
Name	9	String		29						
Prov. Designation	38	String		13						
Rotation Period	51	Decimal	nnn.nnnnnn n=[0,9]	11		Unit of measure in hours (h)				
Lower Limit Period	62	Decimal	nnn.nnnnnn n=[0,9]	11		Unit of measure in hours (h)				
Upper Limit Period	73	Decimal	nnn.nnnnnn n=[0,9]	11		Unit of measure in hours (h)				
Rotation Period Uncertainty	84	Decimal	nnn.nnnnnn n=[0,9]	11						
Approximate Value	95	String	"a", "T", "L", "~", "?"	6		1) "a" is for ambigous, 2) "T" is for tumbling, 3) "L" no rotation period but light curve, 4) "~" is for uncertain, 5) "?" is for questionable				
Quality	101	Integer	n n=[1,3]	3		a) 1 == poor b) 2 == medium c) 3 == confident Ref. https://iopscience.iop.org/article/10.1088/0004-6256/150/3/75/pdf				
Radar	104	String	Y-N	6						
Multiple System	110	String	Mn Bn n=[0,infty]	4		a) "Mn" is used to indicate that we are dealing with the general properties of the system, b) "Bn" is used when we are referring to a specific object in the multiple system, where B stays for Body and n is going from 0 to infty to indicate the object (e.g., 0 is main body, 1 is first satellite, ...)				
Amplitude	114	Decimal	n.nn n=[0,9]	6		Unit of measure is mag				
Lower Limit Amplitude	120	Decimal	n.nn n=[0,9]	6		Unit of measure is mag				
Upper Limit Amplitude	126	Decimal	n.nn n=[0,9]	6		Unit of measure is mag				
Amplitude Uncertainty	132	Decimal	n.nn n=[0,9]	8						
Approximate Value	140	String	"~", "?"	6		1) "~" is for uncertain, 2) "?" is for questionable				

Max Variation	146	Decimal	n.nn n=[0,9]	9					
Reference	155	String	nnn,ann n=[0,9], a=[A,B, C,D,E,F,G,H,I,J, K,L,M,N,O,P,Q, R,S,T,U,V,W,X, Y,Z]	3					

Parameter	Position in line	Type	Format/Values	Field Length		INFO		QUESTIONS		HOW TO READ
Catalog Number	1	Number	n [1,9999999]	8						From top to bottom we go from the oldest to the newest, speaking of the same asteroid
Name	9	String		29						
Prov. Designation	38	String		13						
Phase Angle Bisector Longitude	51	Integer	n [0,360]	6		Unit of measure is degree				
Phase Angle Bisector Latitude	57	Integer	n [-90,90]	6		Unit of measure is degree				
Reference	63	String	nnn,ann n=[0,9], a=[A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z]	5						

Parameter	Position in line	Type	Format/Values	Field Length		INFO		QUESTIONS		HOW TO READ
Catalog Number	1	Number	n [1,9999999]	8						From top to bottom we go from the oldest to the newest, speaking of the same asteroid
Name	9	String		29						
Prov. Designation	38	String		13						
Taxonomy	51	String		5		1) The taxonomic classification system used to be coherent also with the past data are all the existing systems as reported in the primary sources,				
Approximate Value	56	String	"Comp",":", "?", "::"	5		1) ":" indicates that the value is not certain, 2) "?" indicates that the value is questionable, 3) "Comp" indicates that the we are taking in account the whole complex, 4) "::" low signal to noise ratio, so uncertain measurement				
Reference	61	String	nnn,ann n=[0,9], a=[A,B, C,D,E,F,G,H,I,J, K,L,M,N,O,P,Q, R,S,T,U,V,W,X, Y,Z]	3						

Parameter	Position in line	Type	Format/Values	Field Length		INFO		QUESTIONS		HOW TO READ
Catalog Number	1	Number	n [1,9999999]	8						From top to bottom we go from the oldest to the newest, speaking of the same asteroid
Name	9	String		29						
Prov. Designation	38	String		13						
Type	51	String	a-a a=[U,B,V,u,g,r,i,z]	4		We are using both: 1) The UBV photometric system (Jhonson) 2) The ugriz photometric system				
Value	55	Decimal	n.nnnn n=[-infty,+infty]	8						
Color Lower Limit	63	Decimal	n.nnnn n=[-infty,+infty]	8						
Color Upper Limit	71	Decimal	n.nnnn n=[-infty,+infty]	8						
Color Uncertainty	79	Decimal	n.nnnn n=[-infty,+infty]	8						
Reference	87	String	nnn,ann n=[0,9], a=[A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z]	3						

Parameter	Position in line	Type	Format/Values	Field Length		INFO		QUESTIONS
Reference ID	1	String	nnn,ann n=[0,9], a=[A,B, C,D,E,F,G,H,I,J, K,L,M,N,O,P,Q, R,S,T,U,V,W,X, Y,Z]	6				
Reference Name	7	String		100				