

Figure 1 is a circular diagram representing the spatial distribution of 40 comet nuclei in the ecliptic plane. The horizontal axis is labeled "E-W Direction [AU]" and ranges from -1.00 to 1.00. The vertical axis is labeled "N-S Direction [AU]" and ranges from -1.00 to 1.00. The diagram is divided into four quadrants by a horizontal line (E-W) and a vertical line (N-S). Concentric dashed circles are drawn at 0.5 AU, 1.0 AU, and 1.5 AU from the center (the Sun). The comet nuclei are labeled with their names, such as 105-072, 135-209, 1607+26, 1656+053, 1650+004, 1638-025, 1644-106, 1631-222, 1523+03, 1453-10, 1428-03, 1434+03, 1355+01, 1345+12, 1328+32, 1322+32, 1307+109, 1056+4237, 1035-058, 1041-08, 1031-17, 127-14, 136-13, 1213-17, 1245-19, 1283, 1334-17, 1275, 1273, 1267, 1263.1, 1219-096, 1215-121, 1212-033, 1208-20, 1205-142, 1203-15, 1202-20, 1201-10, 1200-09, 1199-08, 1198-07, 1197-06, 1196-05, 1195-04, 1194-03, 1193-02, 1192-01, 1191-00, 1190-00, 1189-00, 1188-00, 1187-00, 1186-00, 1185-00, 1184-00, 1183-00, 1182-00, 1181-00, 1180-00, 1179-00, 1178-00, 1177-00, 1176-00, 1175-00, 1174-00, 1173-00, 1172-00, 1171-00, 1170-00, 1169-00, 1168-00, 1167-00, 1166-00, 1165-00, 1164-00, 1163-00, 1162-00, 1161-00, 1160-00, 1159-00, 1158-00, 1157-00, 1156-00, 1155-00, 1154-00, 1153-00, 1152-00, 1151-00, 1150-00, 1149-00, 1148-00, 1147-00, 1146-00, 1145-00, 1144-00, 1143-00, 1142-00, 1141-00, 1140-00, 1139-00, 1138-00, 1137-00, 1136-00, 1135-00, 1134-00, 1133-00, 1132-00, 1131-00, 1130-00, 1129-00, 1128-00, 1127-00, 1126-00, 1125-00, 1124-00, 1123-00, 1122-00, 1121-00, 1120-00, 1119-00, 1118-00, 1117-00, 1116-00, 1115-00, 1114-00, 1113-00, 1112-00, 1111-00, 1110-00, 1109-00, 1108-00, 1107-00, 1106-00, 1105-00, 1104-00, 1103-00, 1102-00, 1101-00, 1100-00, 1099-00, 1098-00, 1097-00, 1096-00, 1095-00, 1094-00, 1093-00, 1092-00, 1091-00, 1090-00, 1089-00, 1088-00, 1087-00, 1086-00, 1085-00, 1084-00, 1083-00, 1082-00, 1081-00, 1080-00, 1079-00, 1078-00, 1077-00, 1076-00, 1075-00, 1074-00, 1073-00, 1072-00, 1071-00, 1070-00, 1069-00, 1068-00, 1067-00, 1066-00, 1065-00, 1064-00, 1063-00, 1062-00, 1061-00, 1060-00, 1059-00, 1058-00, 1057-00, 1056-00, 1055-00, 1054-00, 1053-00, 1052-00, 1051-00, 1050-00, 1049-00, 1048-00, 1047-00, 1046-00, 1045-00, 1044-00, 1043-00, 1042-00, 1041-00, 1040-00, 1039-00, 1038-00, 1037-00, 1036-00, 1035-00, 1034-00, 1033-00, 1032-00, 1031-00, 1030-00, 1029-00, 1028-00, 1027-00, 1026-00, 1025-00, 1024-00, 1023-00, 1022-00, 1021-00, 1020-00, 1019-00, 1018-00, 1017-00, 1016-00, 1015-00, 1014-00, 1013-00, 1012-00, 1011-00, 1010-00, 1009-00, 1008-00, 1007-00, 1006-00, 1005-00, 1004-00, 1003-00, 1002-00, 1001-00, 1000-00, 999-00, 998-00, 997-00, 996-00, 995-00, 994-00, 993-00, 992-00, 991-00, 990-00, 989-00, 988-00, 987-00, 986-00, 985-00, 984-00, 983-00, 982-00, 981-00, 980-00, 979-00, 978-00, 977-00, 976-00, 975-00, 974-00, 973-00, 972-00, 971-00, 970-00, 969-00, 968-00, 967-00, 966-00, 965-00, 964-00, 963-00, 962-00, 961-00, 960-00, 959-00, 958-00, 957-00, 956-00, 955-00, 954-00, 953-00, 952-00, 951-00, 950-00, 949-00, 948-00, 947-00, 946-00, 945-00, 944-00, 943-00, 942-00, 941-00, 940-00, 939-00, 938-00, 937-00, 936-00, 935-00, 934-00, 933-00, 932-00, 931-00, 930-00, 929-00, 928-00, 927-00, 926-00, 925-00, 924-00, 923-00, 922-00, 921-00, 920-00, 919-00, 918-00, 917-00, 916-00, 915-00, 914-00, 913-00, 912-00, 911-00, 910-00, 909-00, 908-00, 907-00, 906-00, 905-00, 904-00, 903-00, 902-00, 901-00, 900-00, 899-00, 898-00, 897-00, 896-00, 895-00, 894-00, 893-00, 892-00, 891-00, 890-00, 889-00, 888-00, 887-00, 886-00, 885-00, 884-00, 883-00, 882-00, 881-00, 880-00, 879-00, 878-00, 877-00, 876-00, 875-00, 874-00, 873-00, 872-00, 871-00, 870-00, 869-00, 868-00, 867-00, 866-00, 865-00, 864-00, 863-00, 862-00, 861-00, 860-00, 859-00, 858-00, 857-00, 856-00, 855-00, 854-00, 853-00, 852-00, 851-00, 850-00, 849-00, 848-00, 847-00, 846-00, 845-00, 844-00, 843-00, 842-00, 841-00, 840-00, 839-00, 838-00, 837-00, 836-00, 835-00, 834-00, 833-00, 832-00, 831-00, 830-00, 829-00, 828-00, 827-00, 826-00, 825-00, 824-00, 823-00, 822-00, 821-00, 820-00, 819-00, 818-00, 817-00, 816-00, 815-00, 814-00, 813-00, 812-00, 811-00, 810-00, 809-00, 808-00, 807-00, 806-00, 805-00, 804-00, 803-00, 802-00,

Figure 1 is a plot showing the E-W Direction [AU] versus the Sun-Earth Direction [AU]. The plot displays the positions of various interplanetary dust particles (IDPs) relative to the Sun and Earth. The Sun is at the origin (0,0), and Earth is at (1,0). The plot includes concentric dashed circles representing distances from the Sun (0.25, 0.5, 0.75, 1.0 AU) and a solid arc representing the Earth's orbit (1 AU). IDPs are represented by circles of different colors (yellow, green, red) and sizes, with labels indicating their identification numbers and distances from the Sun. The plot shows that most IDPs are located between 0.2 and 0.8 AU from the Sun, with a higher concentration near the Earth's orbit.